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Cooper College

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General Catalogue

1912--1913



June, 1913

Sterling, Kansas

COOPER QUARTERLY

Volume XVII

JUNE 1913

Number 69

Twenty-Sixth Annual Catalogue

Register of Students for 1912-1913

Outline of Courses for 1913-1914

General Information

College Department

Preparatory Department

School of Expression

School of Art

School of Music

STERLING, KANSAS

Published Quarterly by Cooper College and entered at Sterling, Kansas,
as Second Class Mail Matter, Under Act of Congress of July 16, 1894.

CALENDAR, 1913-1914

1913

June 1—3:00 p. m.	Farewell Meeting of Christian Associations
June 1—8:15 p. m.	Baccalaureate Sermon by President R.T. Campbell
June 2—2:00 p. m.	Term Recital
June 2—3:00 p. m.	Intersociety Track Meet
June 2—8:15 p. m.	Term Recital
June 3—10:00 a. m.	Farewell Chapel Service
June 3—3:00 p. m.	Class Day Exercises
June 3—8:15 p. m.	Intersociety Program
June 4—9:00 a. m.	Meeting of College Board of Trustees
June 4—11:00 a. m.	Reunion of Literary Societies
June 4—4:30 p. m.	Alumni-College Ball Game
June 4—6:00 p. m.	Alumni Banquet
June 4—8:30 p. m.	Camp Fire
June 5—10:00 a. m.	Graduating Exercises
June 5—2:00 p. m.	Graduating Exercises. Conferring Degrees
June 5—8:15 p. m.	College Play

1913-1914

September 8—Monday	Registration Day
September 9—Tuesday	Registration Day
September 10—Wednesday	Opening Address
November 7—Friday	First Term Ends
November 10—Monday	Second Term Begins
December 11—Thursday	Intersociety Contest
December 19—Friday, 5 p. m.	Holiday Vacation Begins
January 6—Tuesday, 1914	School Reopens
January 15—Thursday	Prohibition Oratorical Contest
January 23—Friday	Second Term Ends
January 26—Monday	Registration for Second Semester
January 27—Tuesday	Second Semester Begins
February 22—Sabbath	Day of Prayer for Colleges
March 27—Friday	First Term Ends
March 30—Monday	Second Term Begins
April 10—Friday	Bible Reading Contest
May 1—Friday	May Day
May 29 to June 4	Commencement Exercises
June 4—Thursday	Commencement Day

BOARD OF TRUSTEES

By reason of a recent change in the College charter the governing body, formerly known as the Senate, is now known as the Board of Trustees.

For the transaction of routine and special business in the interim of Board meetings there exists an Executive Committee. The personnel of these bodies is as follows:

BOARD OF TRUSTEES

President— W. B. Graham. Secretary—H. R. Ross, M. D.

Term expires 1913: O. S. Johnston, Hutchinson, Kas.; James Whitehead, Emporia, Kas.; J. H. Stavely, Lyndon, Kas.; J. W. Duff, Sterling, Kas., H. R. Ross, M. D., Sterling, Kas.

Term expires 1914: W. E. Currie, Sterling, Kas.; F. W. Ross, Sterling, Kas.; W. B. Graham, Sterling, Kas.; T. H. Brown, Sterling, Kas.; Rev. H. F. Wallace, D. D., Siloam Springs, Ark.

Term expires 1915: Rev. Robt. H. Wallace, Blair, Okla.. Rev. Paul F. Mustard, Winchester, Kas.; W. M. Lukens, Beloit, Kas., Harry Dick, Lawrence, Kas.; H. A. Dunn, Ottawa.

Rev. F. M. Spencer, D. D., life member with optional attendance.

EXECUTIVE COMMITTEE

W. B. Graham, Chairman H. R. Ross, Secretary

W. E. Currie, M. D. F. W. Ross R. T. Campbell

Talmon Bell.....Treasurer of Current Fund

S. A. Wilson.....Treasurer of Endowment

FACULTY

REV. ROSS TURNER CAMPBELL, D. D.
President and Professor of English Bible

REV. FRANK M. SPENCER, D. D.
President Emeritus and Field Agent

SAMUEL A. WILSON, A. M.
Professor of Greek

TALMON BELL, A. M.
Vice-President; Professor of Mathematics

ROBERT M. HORNER, A. M.
Professor Biology and Physics

REV. GEORGE BOONE McCREARY, Ph. D.
Professor of Philosophy

R. RAYMOND BRYAN, A. B.
Professor of Latin

ALTHEA MONTGOMERY, A. B.
Professor of English

FACULTY

—

GEORGE E. MILLER, Sc. M.
Professor of Physical Science

MRS. AGNES S. PERKINS
Professor of German

KATHRYN Z. MONTGOMERY
Professor of Education 1912-13

HELEN A. MINNIS, B. Ped.
Instructor in Education 1913-14

—**Instructors in Preparatory Department 1912-13**

AMY C. BROWN
M. BELLE EDGAR
GRACE LINDSAY
JOHN N. FREE
ETHEL MITCHELL

—**Instructors in Preparatory Department 1913-14**

FRANK W. WRIGHT
History, English

HELEN A. MINNIS, B. Ped.
Education

FACULTY

MARGARET DONALDSON

Latin

MARY DUFF

Mathematics

ETHEL MITCHELL

Physical Geography

STELLA FOSTER

Stenography

(The faculty of the Preparatory Department also includes members of the regular college faculty.)

SPECIAL DEPARTMENTS

ALICE M. BROWN

Instructor in Art

JOHN HENRY HINSHAW

Stringed Instruments, Orchestra

EDNA M. RAIT

Director of Piano

MARY COLEMAN

Director of Vocal Music

ELLA DORNON

Director of Elocution

DR. G. W. WEEDE, B. S.

Director of Athletics

FACULTY ORGANIZATION

Ross Turner Campbell, D. D.	President
Talmon Bell	Vice-President
Robert M. Horner	Secretary
G. Boone McCreary	Registrar
Samuel A. Wilson	Librarian
Hazel Sturgeon	Librarian in Charge
Mrs. Augusta Shannon	Matron
Fred Patrick, Howard E. Scott	Stenographers
O. W. Mitchell	Janitor

COMMITTEES

Athletics

President Campbell, Professor Bryan

Credits and Registration

Professor Bell, Professor McCreary, Professor Montgomery

Ladies' Hall

The President, The Matron, Professor Bryan

Library

Professor Wilson, Professor Montgomery, Professor Horner

Catalogue and Publications

Professor McCreary, Professor Horner

Literary Societies

Professor Miller, Professor Montgomery

College Functions

Miss Coleman, Miss Rait, Professor Bryan

Student Council

Professor Wilson, Professor Miller

LECTURES, ENTERTAINMENTS, RECITALS

Given During the Year 1912-13

September 9-10.....	Registration for First Semester
September 11.....	Opening Address by Rev. R. M. Kerr, Kansas City
September 18.....	Reception to Students by Faculty
September 20.....	Recital, Miss Dornan
September 23-26.....	Lectures on Social Ethics, Prof. J. M. Coleman
October 11.....	Entertainment, John B. Ratto
November 16.....	Entertainment, Mendelssohn Quartette
December 2.....	Entertainment, Aida Quartette
December 10.....	Lecture, Wm. A. Colledge
December 19.....	Intersociety Contest

1913

January 14.....	Preliminary Oratorical
February 17.....	Lecture, Lee Francis Lybarger
February 17-23.....	Visit of Rev. Geo. C. Vincent by Appointment of General Assembly
February 23.....	Day of Prayer for Colleges
March 4.....	Term Recital in Music and Expression
March 13.....	Play, Cooper Dramatic Club
March 17.....	Lecture, John F. Chambers
March 18.....	Junior Orations
March 27.....	Cooper-Amity Debate
April 11.....	Cooper-Campbell Debate
April 12.....	Entertainment, Fairmount Boys' Glee Club
April 17.....	Cooper- McPherson Debate
April 18.....	Reno County Track Meet
April 22.....	Cooper-Southwestern Debate
May 1-2.....	Art Exhibit
May 2.....	May Day Festivities
May 8.....	Recital for Graduation in Piano, Gladys Holmes
May 9.....	Reception by Freshmen to High School Seniors
May 15.....	Recital for Graduation in Piano, Sally Wirshing
June 1-5.....	Commencement Exercises

GENERAL INFORMATION

Growth in Size

Cooper opened her doors November 1, 1887.

Since that day two thousand young people have entered the various departments seeking enlargement of their life equipment. The growth of attendance has been gradual but substantial. By far the largest ratio of increase has been in the Collegiate department. In 1890 there were 8 students of college rank. In 1900 there were 39; in 1910, 50; in 1913, 95. Formerly a very large proportion of the enrollments were in the preparatory and normal department. But the rapid extension of the school system of Kansas and adjacent states, providing High Schools in practically every community, and the offering of normal courses in these schools have caused the number of applicants for these departments to diminish. The college has sought to meet this condition by giving more attention to the expanding and strengthening of the work above preparatory grade. There is also advantage in separating more sharply between the academic and collegiate departments. Attention is called to the provision for the preparatory school for 1913-14. Only teachers of experience who are held responsible by heads of College departments are employed in this work. The entire teaching force for 1913-14 will number over twenty, of whom ten are department heads.

Growth in Strength

While still handicapped for lack of adequate funds, as are most smaller institutions, the progress made toward larger endowment within the past year affords ground for the belief that in the near future there will be great enlargement both of endowment and of buildings. The endowment fund is now \$85,000. Fuller account of the financial condition may be found on another page. The success attending the efforts of the special field agent, President Emeritus F. M. Spencer, D. D., is gratifying to all friends of the College.

Growth in Ideals

Cooper College abides true to the aim of her founders.

The aim in founding the institution was to provide a thorough Christian education. True to this ideal the college has emphasized two things: sturdy intellectual attainments and stalwart character. To acquire these has been and is the great desideratum placed before student and teacher. As an indispensable aid Biblical study is accorded an important place in the curriculum. It is the deliberate in-

tent of the instructors to inspire faith in Scripture on the part of every student, and to point the way to active Christian service in a fitting field.

No institution can be loyal to such an ideal as that without getting a clearer vision of her sphere and of the eternal worthiness of her mission.

Situation

Cooper College is advantageously situated. Within a few miles of the geographical center of the great state of Kansas, in the fertile valley of the Arkansas River, and on lines of two great railroad systems—Santa Fe and Missouri Pacific, Cooper is truly “in the heart of the West.”

Sterling, the seat of Cooper College, is in many respects well-nigh ideal as a college town. With a population of 2300 and with such business enterprises as legitimately belong to a city of that size, it is not so commercial in aspect as to make the affairs of the college a side issue. Indeed, Cooper College is the leading “industry” of the town.

The population is of such a class as naturally gravitates toward an educational center. Intelligence, industry, sobriety—these terms summarize the mental and moral thrift of the community.

Sterling is singularly free from vicious resorts of every kind. The health conditions also attract not a few.



PRESENT STANDING OF THE COLLEGE

General Reputation

No one need be ashamed of having taken work at Cooper. Every year puts the college on a firmer basis as regards the esteem in which its work is held. That Cooper men and women “make good” is a fact of frequent comment.

Fully Accredited

Full credit is given by the University of Kansas for work done at Cooper. This is now true of the work in Bible, which may receive a maximum of twelve hours credit. Cooper has for several years been on the accredited list of institutions published by the State Board of Education.

Requirements for a Standard College

The process of standardization, undertaken by the denominational colleges four years ago, is now wholly in charge of the State Department of Education.

The following is a summary of the requirements for a standard college as agreed upon by the Kansas College President's Association and accepted by the State Board of Education.

1. *Admission*.—Fifteen High School units of standard value.
2. *Graduation*.—A four year course of at least one hundred and twenty semester hours of sixty minutes each.
3. *Instruction*.—Seven professors giving entire time to work of college grade, no one offering work in more than two departments. If any instructors divide their time between college and preparatory work, a total of not less than one hundred and five semester hours must be offered in each semester.
4. *Faculty*.—Graduates of standard colleges with graduate work equivalent to that required for the Master's degree. Exception in the case of exceptional efficiency.
5. *Hours*.—Not more than twenty class hours a week for instructors and students.
6. *Salary*.—Average salary of professors, exclusive of president, \$1,000.
7. *Endowment or Income*.—\$200,000 endowment, or an annual income of not less than \$10,000, exclusive of tuition.
8. *Laboratory*.—Equipment worth not less than \$5,000 and efficient in Chemistry, Physics, and Biology.
9. *Library*.—3,000 volumes of present value.
10. *Biblical Literature*.—Twelve hours the maximum for candidates for teachers' certificates.
11. *Semester Hours for State Certificates*.—One hundred and twenty hours required, including twenty hours in the subject which the candidate proposes to teach and ten hours in a related subject.
12. *Professional Work*.—Twelve hours in education in courses approved by the State Board, including:
 - (a) History of Education, three hours.
 - (b) Educational Administration and Supervision, three hours.
 - (c) Educational Psychology or Theory of Education, three hours.
 - (d) Additional courses selected from any of the above groups, three hours.

General Psychology must precede the courses in Educational Psychology and Theory of Education.

Of the above, points 1 and 9 inclusive may be designated as the standardization basis. Points 7, 8, 9, and in small degree point 4, remain unfulfilled. The others are fully met. Financial progress is the requisite condition to realizing the standard.

In consideration of these requirements having been recently adopted, time is allowed in which to meet them, institutions being accredited meanwhile as heretofore. Cooper is moving rapidly toward the goal.

GREATER COOPER

The General Assembly at its meeting last year in Seattle, did a generous thing for Cooper. The proceeds of the Waitsburg Academy, which ceased to exist, were given to Cooper College. The sum given was \$10,000.

The will of William Hamilton, of Hanover, Indiana, was contested by cousin-heirs, and was settled out of court. Cooper received from the estate \$8,625. The total amount which Cooper received from John and William Hamilton during their lives and from the estate of the latter was \$27,525.

These two men were brothers. They did not marry, and their fortune was the accumulation of their life and of their father.

Cooper has also received from the estate of John Booth, of Manhattan, during the past year, \$1,000. The total gains including the above sums make endowment added during the past year, \$25,000.

Mr. James Archer, of Steubenville, died a short time since and left by will \$10,000 to Cooper College, but this is not to come to Cooper for ten years.

All in all this has been a good year financially for Cooper College.

EQUIPMENT

GROUND AND BUILDINGS

The main building is modern in heating, lighting and fire appliances. The dimensions of this building are one hundred and twenty by fifty feet, three stories in height. The chapel will accommodate 300 persons. There are twenty-one other rooms in the building adapted for various purposes.

Ladies' Hall

This is a three story frame structure accommodating about twenty students. It has double parlors for the use and convenience of students, a matron's parlor, ten students' rooms, large dining rooms, toilet and bath, pantry and kitchen. The rooms are unusually large and are furnished with bed, table, dresser, commode, chairs, rocker, rug and window shades. Students must furnish sheets, pillow slips, towels, napkins, etc. Picture molding is in each room, and all pictures must be hung from this molding; nails and tacks must not be driven into the walls. The building is heated with hot water and lighted with electricity.

College Campus

By purchase of twenty acres south of the old Campus the college now possesses a Campus of thirty acres.

This brings the boundary of the College property much nearer the center of the city. It is proposed to erect a group of buildings on the new campus as soon as funds are available for that purpose.

The entire campus, old and new, will be beautified with trees and shrubbery, walks and drives, and furnish a worthy example of the landscape gardener's art.

The class of 1911 placed a pair of pillars at the south entrance of the driveway on the old Campus.

The Gymnasium

No little satisfaction has been derived during the past year from the use of the new Gymnasium.

It is equipped for general indoor athletics: basket-ball, volley-ball, baseball and, in part, for physical training. There are well appointed dressing rooms and shower baths.

McCracken Field

The athletic ground known by this name is immediately north of the main building. A quarter-mile track has been graded and a grand stand built. Several improvements have been made recently,

notably the accurate leveling and surfacing of the circular track. There is a fine 220 straight-away bedded with screened cinders.

Art Studio

The Art Studio is on Seventh Street. It is a building devoted solely to art, and is equipped after the fashion of modern studios.

LABORATORIES AND INSTRUMENTS

Chemical Laboratory

During the past year the laboratories have been completely remodeled, one room added and the capacity more than doubled. More than forty students may now work advantageously at one time. Every desk is equipped with running water, gas, and a complete set of apparatus and reagents for individual work. A complete line of glass ware, sets of thermometers, Liebig condensers, Nessler tubes, balances, blow-pipes, etc., offer facilities for thorough courses in general chemistry, analytical courses—both qualitative and quantitative, water analysis and organic synthesis.

A complete line of inorganic chemicals and reagents and an exceptionally full line of organic chemicals are always kept on hand.

Additional facilities have been recently added—among this may be mentioned, a Westphal balance, new sensitive analytical balance, improved syphon barometer, a series of air exhaust filter pumps, a filter press, a series of steam baths, drying oven, etc.

The Chemistry recitation room is large and well equipped for class demonstrations and lecture experiments.

Physical Laboratory

The Physical Laboratory work is carried on in a large well-lighted room furnished with good tables. Apparatus and other facilities are at hand for working fifty good representative experiments in general Physics. The apparatus room contains much additional apparatus and materials useful for demonstrations, construction and repairs. Considerable additions have been made this year including a wall sonometer, resonance tube, vibriograph, stop watch, metronome, electric heater, iron clad magnet, two galvanometers, Gilley induction outfit, Gilley Gramme machine with Miller-Cowan attachment, transformer, A. C. rectifier, interrupting wheel. A valuable laboratory table came as the gift of Pawnee Academy.

Biological Laboratory

The Biological Laboratory is well supplied for both preparatory

and advanced work. For work in Botany, Zoology and Physiology, there are good compound microscopes, dissecting microscopes, hand lenses, camera lucida, dissecting tools, hand and sliding microtomes, apparatus for anaesthesia and injection, aquaria, many poisons and other chemicals and reagents.

There is a very complete set of the Cambridge type of apparatus for plant Physiology; also of the Harvard type of apparatus for Human Physiology. A good supply of prepared microscopic mounts are on hand to illustrate all branches of the work; also bones and mounted vertebrate skeletons and limbs.

During the present year there have been added many things, including a tank for dead animals, micrometer eye piece, aquarium, dissecting instruments, disarticulated skull, vertical section of skull, pelvis, mandible, hyoid, and other human bones, spirometer, laryngoscope, ophthalmoscope, signal magnet, mercury manometer, rocking key, gas chamber, capillary electrometer, animal holder, Gaskell's clamp.

There is in the laboratory a well-kept herbarium containing beautifully prepared and mounted specimens illustrating all the principal groups of plant life.

Geological Laboratory

The Geological Laboratory contains a very complete collection of rocks and minerals and ample apparatus for courses in Physiography and Geology.

Astronomy

For work in Astronomy there is a well constructed orrery and a mounted telescope.

MUSEUM

The Museum contains a considerable amount of material illustrative of the natural sciences. Specimens of mineral and rocks from many localities are included in the geographical collection; each geologic age being represented. Kansas and Colorado are well represented. All sections of our state furnish specimens of rocks and fossils. Through the gift of Rev. John P. White, of Manhattan, Kansas, a former missionary to Egypt, the college possesses a very valuable geological collection from Egypt and the Holy-Land. A collection illustrative of Egyptian life is accessible through the kindness of Mr. A. G. Smith.

Dr. and Mrs. H. T. McLaughlin, recently missionaries to the Sudan, have presented to Cooper valuable curios from that field, estimated to be worth from five to six hundred dollars.

The zoological specimens include collections illustrative of marine invertebrate life, birds' eggs and bird and mammalian life of Kansas.

The flora of Rice County is illustrated by botanical specimens. Mounted specimens from other localities are also in the collection. It is the aim to make the Museum not merely a collection of curiosities, but an important factor in advancing the scientific work of the students.

LIBRARY

The Library contains about 3500 volumes, apart from government publications. For a number of years Cooper College has been a designated government depository and receives all publications of the U. S. government. Owing to the limitations of space, most of these have not been kept in the general library room, on the second floor but in a room on the fourth floor. One of the college needs is a special library building, where all the library material may be convenient and available at once to the students.

During the past years, rather than seek addition to the number only of books in the library, special attention has been given to the securing of the best material for use by the various college departments. The heads of these departments have made recommendations of works desired for either direct or collateral use, and these, after receiving the approval of the library committee and of the Faculty as a whole, have as far as possible been secured. In this way the departments of Bible, Psychology, Mathematics, Sociology, Language and Biological and Physical Science have received most valuable accessions to their working material. About 500 volumes of this material have been placed upon the shelves during the past two years. The latest order has been for Nelson's Loose Leaf Encyclopedia. Donations of valuable books have been received from friends.

The library is open from 8 a. m. to 5 p. m. on each school day. The librarian or a member of the faculty is present and can be consulted in regard to any line of research or reading. The dictionaries, encyclopedias and other works of reference are accessible at all times.

Through the kindness of the publishers and friends or by subscription, the library and reading tables have been supplied with periodicals. Among those received during the past year have been the following: Review of Reviews, Current Literature, World's Work, McClure's, Everybody's, Die Woche, Technical World, Missionary Review of the World, Woman's Home Companion, Etude, United Presbyterian, Christian Instructor, Christian Union Herald, Woman's Missionary Magazine, Presbyterian, Men's Record, Inter-State Schoolman, Central Kansas Democrat, Barton County Democrat, Sterling News, Hutchinson News, Kansas City Star and Times, Christian Statesman, American Economist, Advocate of Peace, Y. M. C. A. Monthly, Inter-Collegian, Our Dumb Animals, Prayer and Work for Israel, Public Service, Inter-National Conciliation, The Fundamentals.

High School and College publications have also been placed in the library by the editors of the Cooper Courier.

COLLEGE ORGANIZATIONS

Christian Associations

The Y. W. C. A. and Y. M. C. A. are in a flourishing condition. Several strong addresses have been given to these Associations during the past year. The usual weekly devotional meetings have been held and regular classes are maintained in Bible Study and Mission Study. The Y. M. C. A. has organized a Gospel Team for evangelistic effort.

Comparatively few students remain outside of active membership and all feel the uplifting influence of these Associations.

Literary Societies

The literary societies are two, the Chrestomatheon and the Theomoron. These societies meet weekly in their own halls which are appropriately furnished. Their programs consist of recitations, essays, orations, debates and impromptu speeches. Seriousness of purpose and literary excellence characterize the work of these societies.

Student Council

A student council chosen by and representing the students is in operation. Its office is to make nominations in matters requiring the action of the student body. The council consists of eleven members, six to be chosen at large by the students voting together, four of the six to be chosen from the Junior and Senior classes. The four college classes choose one each in addition and the preparatory students choose one.

In addition to the executive committee the following committees of two each are appointed from the council: debating, oratorical, publication, athletic, yell, student functions. These committees present recommendations and nominations to the council for action. If approved by council the matters are then presented to the student body for final action.

The principles of the initiative, referendum and recall are embodied, a petition of ten students being sufficient to require action.

Athletic Board

The Athletic Board is composed of two students, two faculty members and one trustee. This Board has immediate oversight of athletic interests and passes upon all items of financial import.

The Student Paper

The Cooper Courier is a monthly journal of the college life issued by the students.

The price is seventy-five cents a year. The editorial staff as composed for the past year has been as follows:

Hazel Sturgeon	Editor-in-Chief
Dollie Stahl	Literary Editor
Grace Ramsey	Local Editor
Daveda Mustard	Ass't. Local Editor
Grandin Branch	Ass't. Local Editor
Bruce Gray	Athletic Editor
Connie Dougherty	Exchange Editor
Belle Edgar	Alumni Editor
Alva Weede	Business Manager

Alumni Association

The Alumni meet annually and nominate two of their number as members of the Senate. The support of the Alumni is a most encouraging feature and prophesies a large future for Cooper. Plans are developing for making the annual meeting an event of much greater importance and interest.

ACHIEVEMENTS OF THE YEAR

Inter-Society Contest

The annual contest between the literary societies was held December 19. The Chrestomatheon was represented by Bradner Wells, orator; Eva Trimble, essayist; Ethel Mitchell, declaimer; and Carrie McClure and Irwin Wherry, debaters.

The Theomoron representatives were James Wilson, orator; Golden Smith, essayist; Elma Hamill, declaimer; and Belle Edgar and Alfred Heasty, debaters.

Oratorical Preliminary

Those competing in the preliminary oratorical contest January 14 were Hoyt Turner, James Wilson, Thomas Newcomb, Will Robinson and Edgar Lindsay.

Thomas Newcomb won first place.

Inter-Collegiate Debates

The inter-collegiate debate has proved to be a source of inspiration and instruction to the student body. There have been four of these the past year.

On March 27 occurred the third and last of a series of debates between Amity College, College Springs, Iowa, and Cooper. The question: "Resolved, that the tariff should be imposed for revenue only" was affirmed by Amity and denied by Cooper. This debate was held at College Springs. John Free and Alfred Heasty represented Cooper. The decision was two to one in favor of Cooper. In this series Cooper won two out of three debates.

On April 11 at Sterling occurred the third and last of a series of debates between Campbell College, Holton, Kansas, and Cooper. The question: "Resolved, that we should permanently retain the Philippines" was affirmed by Cooper and denied by Campbell. James Wilson, Carrie McClure and Robert Calderwood represented Cooper. The decision was unanimous in favor of Campbell, giving Campbell two out of three debates.

On April 17 at Sterling occurred the first of a series of debates between McPherson College, McPherson, Kansas, and Cooper. The question: "Resolved that the recall as applied to the Federal judiciary is right in principle" was affirmed by McPherson and denied by Cooper. Will Ross and Edgar Lindsay represented Cooper. The decision was unanimous in favor of Cooper.

On April 22 at Winfield occurred a debate between the preparatory departments of Southwestern College, Winfield, Kansas, and

Cooper. The question: "Resolved, that there should be compulsory arbitration of disputes between employers and employees, constitutionality conceded" was affirmed by Cooper and denied by Southwestern. Hervey Faris, Ross Campbell and Ralph Cathcart represented Cooper. The decision was two to one in favor of Southwestern.

Cooper has won seventy-five per cent. of all her inter-collegiate debates up to the present time.

Assembly Visitation

A series of chapel addresses and Sabbath services of unusual interest was afforded through the appointment of Rev. George C. Vincent by the General Assembly to visit Cooper College.

May Day Festivities

Friday, May 2, was observed as May Day. All neighboring high schools were invited and many high school delegations were present.

Among the features of the day were the May queen procession and coronation, the May-pole drills, Japanese drill, ball game, art exhibit and the college play.

THINGS TO COME

Chautauqua

For the past six years Sterling has supported a Chautauqua of high rank. An unusually strong programme has been arranged for the summer of 1913. Some of the talent secured for the present season is as follows: Robert Parker Miles, lecturer, The Apollo Concert Co., The English Opera Singers, S. Platt Jones, entertainer, Hon. Richard Yates, lecturer, Castle Square Entertainers, The Sadlers, medical lecturers, Lou J. Beauchamp, lecturer, Herr Buchler, work with children, Nat M. Brigham, illustrative lecturer, Dr. R. B. A. McBride, Bible work.

Lecture Course

A committee composed of representatives from High School, College and business men have charge of the annual lecture course. These numbers are given throughout the school year. Tickets range in price from \$1.50 to \$2.00 for the course.

The following attractions are scheduled for the winter of 1913-14: Jess Pugh Company, musical and literary entertainers, The Ben Greet Players, Everett Kemp, entertainer, Montraville Wood, science demonstrator.

The Ben Greet Players are hardly excelled in the interpretation of Shakespeare.

Inter-Collegiate Debates

The second of a series of debates between McPherson College and Cooper will occur in April.

It is expected that several other debates will be arranged at the beginning of the new year.

Conference of Christian Workers

The Synodical Conference of Christian Workers will be conducted August 15-25 under direction of the Home Mission Board. The conference is inter-denominational and will be open to every person. Negotiations are pending to secure a Methodist Episcopal bishop and other speakers. Among the speakers already secured are Dr. C. R. Watson and Geo. Innis, Dr. Joseph Kyle, of Xenia, Ohio, and Dr. W. R. Wilson, of Allegheny, Pa.

All main lines of Christian work will be covered. The tuition fee will be two dollars.

REGULATIONS

Admission

Students are admitted to the first year of the Preparatory Department on registering and filling out the matriculation blank furnished them.

Detailed statement of "entrance requirements" and "subjects for admission" may be found in the following pages under their appropriate headings.

Advanced Standing

Students are required to produce a certificate from a recognized High School or College, or pass an examination on preceding subjects of the course.

Those coming from institutions whose work is not fully accredited may enter with conditions. Shortages in laboratory work must be made up before credit will be given for those courses.

Registration

Each student is required to register at the beginning of each semester, giving such information concerning himself and the work desired, as the faculty may request. No student is entitled to any credits until he has registered.

Reports

Grades are made up at the end of each semester. At the close of each semester a report of the student's attendance and grades is sent to parent or guardian. Mid-semester reports are also sent out indicating whether the student's work is "Good," "Fair," or "Poor."

Absences

When excused absences amount in any subject to one-tenth of the semester's work, the student shall take a special examination, time being allowed for preparation if necessary.

After two unexcused absences the student shall not be again admitted to the class until he has taken a special examination and paid a fee of one dollar.

Willful absence may subject the student to suspension, and the time lost will count as unexcused absence.

Five tardy marks are reckoned equal to one absence.

Students are expected to attend chapel exercises and the services at their respective churches. Record of such attendance will be kept and reported.

Number and Order of Subjects

No student is permitted to take less than three or more than four daily subjects in the Preparatory Department, nor more than eighteen hours in the College Department at one time except by a vote of the faculty. Review subjects and preparatory work when taken by collegiate students may at the discretion of the faculty be estimated at one-half their hour value in the application of above rule.

Students may choose subjects not in the regular order of their courses only by permission.

Withdrawal from Courses

No student will be allowed to leave a class, having once enrolled, without consent of the head of the department affected and concurrence of the committee on registration.

Examinations

Examinations are held upon the completion of a subject. In determining the final grade upon any subject the average recitation grade and the examination grade count each one-half. Other examinations may be held at such times as the professor in charge may determine. Should students desire examination at another time than that of a regular examination, or that appointed by the professor in charge, it may be obtained by the consent of the professor in charge and the payment of a fee of one dollar.

Residence at Ladies' Hall

Young Ladies who are absent from their homes will be required to board in the hall unless excused on the request of parents or guardians. The request must be presented to the President of the College in writing. Young lady students will be permitted to board or room only in approved private homes, and those so doing will be subject to substantially the same rules as those boarding in the Ladies' Hall.

Only such regulations are adopted for the Hall as are deemed necessary to surround young ladies with good influences and as pure a moral atmosphere as their parents' homes would supply. A matron of large experience will be in charge of the Hall whose Christian sympathy will greatly aid young ladies in meeting the difficulties of college life.

Government

The government of the college is paternal. Good behavior and earnest application to study are considered necessary on the part of all connected with the institution. No published rules are furnished, but students are expected to comply with all regulations deemed necessary by the Faculty. The President is the executor of the Faculty to enforce these regulations.

TUITION AND EXPENSES

FEES FOR COLLEGE AND PREPARATORY DEPARTMENT

Tuition per semester, payable on enrollment day.....	\$25.00
Tuition per semester, not in advance.....	26.00
Tuition per term of nine weeks, in advance.....	15.00
Tuition per week for less than a term.....	2.00
Graduating fee—College of Liberal Arts.....	5.00
Graduating fee—School of Expression.....	5.00
Graduating fee—Conservatory of Music.....	4.00
Special examination fee.....	1.00
Chemistry fee per semester.....	5.00
Physics fee per semester.....	2.50
Physical geography fee per semester.....	2.00
Botany and Zoology fee per semester.....	2.50
Physiology fee per semester.....	2.50

No library or athletic fees are charged. Upon payment of tuition, tickets are issued admitting to library privileges, and to all athletic games for the period covered by tuition.

Deposits

For breakage and waste in Preparatory Science, each subject..	\$2.00
For breakage and waste in College Science, each subject.....	4.00

Deposits must be maintained at the amounts named throughout the year. If damage and breakage is not equal to sums named the excess will be returned to the student at the end of the year.

SCHOOL OF MUSIC

Piano, Voice or Stringed Instruments

Three lessons per week per semester, in advance.....	\$28.00
Two lessons per week per semester, in advance.....	20.00
Two lessons per week per term, in advance.....	12.00
One lesson per week per semester, in advance.....	6.50
By the lesson.....	.75
Choral Class fee per semester.....	1.00
Orchestra.....	4.00
Orchestra, for private pupils in stringed instruments.....	2.00
Harmony, one semester.....	10.00
Sight reading, one semester.....	10.00
Musical History, one semester.....	5.00
Interpretation.....	5.00

SCHOOL OF EXPRESSION

Private Lessons:—

Three lessons per week, per semester.....	\$28.00
Two lessons per week, per semester.....	20.00
One lesson per week, per semester.....	12.00
One lesson per week, per half semester.....	6.50
Single lesson.....	.75
Class lessons per semester.....	4.00
Juvenile lessons per term.....	3.00



SCHOOL OF ART

Two lessons per week, per semester, in advance.....	\$17.00
One lesson per week, per semester, in advance.....	9.00
Two lessons per week, per term, in advance.....	9.00
One lesson per week, per term, in advance.....	5.00
Single lesson.....	.60

Tuition Regulations for All Departments

Only in case of protracted sickness will fees be returned.

For one subject in College or Preparatory department half tuition will be charged; for two subjects full tuition.

The graduating fee will be included in the semester bill and is to be paid at the beginning of second semester of the senior year.

All tuition fees and deposits are due strictly in advance and students will not be enrolled in classes till payment is made.

Deposits must be maintained at the amounts named throughout the year. If damage and breakage is not equal to sums named the excess will be returned to the student at the end of the year.

Board

Table board per week.....	\$2.50 to \$3.00
Board and room, two in room.....	3.00 to 3.50
Self-boarding.....	1.50 to 2.00
Rooms, unfurnished, per week.....	.50 to 1.00
Rooms, furnished, per week.....	1.00 to 2.00

Young Ladies' Hall

Table board, per week.....	\$3.25
With rebate of 25c per week, if paid monthly in advance.	
Rooms per week, payable monthly in advance.....	.70 to \$1.00
Deposit.....	1.00

Expenses

Necessary expenses at Cooper are moderate. Personal tastes and standards have much to do in determining the total cost of a

year's schooling, but the essential items can be estimated with considerable accuracy. In a recent census of non-resident students it was found that the average annual expense has been \$221 for a young man, \$238 for a young woman.

Self-help

Fifty per cent of the young men and twenty-five per cent of the young women are working their way, wholly or in part. The smallest sum earned last year by any student was fifty dollars. A member of the faculty acts as employment agent in securing work for students. Not infrequently he has more demand for labor than he can supply. What with Saturday jobs and employment at odd times, together with vacation labor, it is no rare thing for a student to be quite self-sustaining.

Scholarships

Free scholarships are offered by the Board of Trustees to graduates, class of 1913 of any accredited high school as follows.

To the student taking first rank, a scholarship for one year; to the student taking second rank, a scholarship for one semester.

By the generosity of a Christian woman living in Oklahoma, free tuition is granted to a deserving student. The beneficiary has been a different person each year according to recommendation of the Faculty.

The late Wm. McCracken, of Sunnysdale, Kansas, founded scholarships which provide tuition and fees and some other expenses for young people of the Indian and Negro races.

Further information concerning these will be furnished on request.

COLLEGE OF LIBERAL ARTS

ENTRANCE REQUIREMENTS

Entrance to the Freshman class may be obtained either by examination or by certificate of graduation from one of the accredited High Schools of the state, or by completing the Preparatory course of the college.

Students desiring admission by examination should present themselves on the day preceding the opening of the college in September, or at the opening of any term.

Serious loss results from tardiness in entrance. Unbroken attendance throughout an entire semester is requisite to the most satisfactory results.

CREDENTIALS

A certificate of satisfactory work done in any of the accredited High Schools of the state entitles the student to entrance credit in the subjects covered. Instead of presenting a diploma the student should present a statement from the superintendent of the school, showing the subjects in which he has done satisfactory work. No entrance credit can be filed with the registrar until this is done.

HOW TO ENROLL

New students presenting themselves for enrollment for the first time should first go to the office of the President where they will receive a matriculation blank. Every space on this blank should be filled out accurately and legibly. The President's "O. K." on this card indicates that he has made the acquaintance of the new student and given any needed counsel or suggestions. The card is then taken to the Enrollment Committee, consisting of the Registrar and his associate.

After consultation a Course Card is filled out with the list of prospective studies. The outlined course must conform to the regulations concerning required subjects.

The Course Card is then presented by the student to each teacher for whose work enrollment is being made and the teacher's approval of the assignment is indicated by his signature.

The student then goes to the Treasurer by whom the course cards are collected and certified to the Registrar. When properly signed the course card thus becomes the evidence that the work assigned is approved and that the dues are paid. The Registrar then issues

class tickets which are sent to the heads of departments. From these class rolls are made up. The class tickets are retained by the instructor until the end of the course when they are returned to the Registrar with the record of the student's work endorsed thereon. The permanent records and semester reports are compiled from the data upon the class tickets.

UNIT DEFINED

Preparatory work in the College or in an accredited High School is estimated in terms of the "entrance unit." A subject (as Latin for instance) running one year of thirty-five weeks, five recitations per week, with at least forty minutes for each recitation, or four recitations per week of one hour each, constitutes one entrance unit. In computing entrance units, the laboratory period should be twice the length of a recitation period.

CONDITIONAL AND UNCONDITIONAL ENTRANCE

For unconditional admission to the College, fifteen units are required. Students may enter college conditionally with a temporary deficiency of not more than two units. This applies only to candidates from High School with a shortage in their credits. It does not apply to students from the Preparatory department.

The following regulations were adopted at the meeting of the Kansas Colleges Association, December 27, 1912:

A graduate of an accredited High School who offers the 9 units required in the college preparatory course recommended by the State Board of Education and 6 additional accredited units of which not more than 3 are from the miscellaneous group as outlined, will be admitted to the freshman class, provided that he bring from his school a special recommendation of fitness in regard to character, scholarship, and exceptional attainment in some line of study.

A student so entering must, as early as possible, during the Freshman and Sophomore years, elect such subjects as will complete the entrance group requirements. For such subjects he will receive college credits, but he will not be allowed to count them toward satisfying the college group requirements of the Freshmen and Sophomore years.

SUBJECTS FOR ADMISSION

The total requirement for admission shall be fifteen units, ten and one-half of which shall be chosen from groups I to V, as indicated below. The remaining four and one-half units may be chosen at will from the subjects outlined in the six groups, subject to the maximum limitations stated in connection with each group.

Group I, English

Minimum three units, maximum four units.

Group II, Foreign Language

Minimum three units, maximum six units.

The three units required may be two units of one and one of another foreign language. Any of the following languages may be chosen: Latin, one to four units; German, one to four units; French, one to four units; Greek, one to four units, Spanish, one to two units.

Group III, History

Minimum one unit, maximum four units.

Ancient History, one unit; Medieval and Modern History, one unit.

English History, one unit; American History, one unit.

Civics, one-half unit; Economics, one or one-half unit.

The order in which the history shall be taught is that outlined in the Manual of the State Board of Education.

Group IV, Mathematics

Minimum two and one-half units, maximum four units.

Elementary Algebra, one and one-half units.

Plane Geometry, one unit.

Solid Geometry, one-half unit.

Advanced Algebra, one-half unit.

Plane Trigonometry, one-half unit.

When the minimum requirement only is presented, it shall be elementary algebra and plane geometry.

Group V, Science

Minimum one unit, maximum four units.

Botany, one unit.

Physics, one unit.

Chemistry, one unit.

Physiology, one-half or one unit.

General Biology, one unit.

Zoology, one unit.

Group VI, Miscellaneous

A maximum of two units may be chosen from the subjects not starred. Starred subjects may be offered in addition to the two units.

Agriculture, one or one-half units.

Arithmetic, one-half unit (If taken after one year of Algebra, not otherwise.)

Bookkeeping, one-half or one unit.

Commercial Geography, one-half unit.

Commercial law, one-half unit.

Domestic Art, one unit.

Domestic Science, one unit. One unit may be offered of domestic art and domestic science combined, as outlined in the Manual of the State Board of Education.

Drawing, one unit.

Forging, one unit.

*Methods and Management, one-half unit.

Music, one unit.

*Psychology, one-half unit.

Stenography, one unit.

Woodworking, one unit.

SUBJECTS FOR FRESHMEN

There are three groupings of subjects which Freshmen may take:

First—Absolute requirements, as English III, Bible V, Mathematics IV.

Second—Requirements which are not specified for Freshmen but which must be taken within the course. Chemistry I is an illustration.

Third—General Electives. Some of these may become virtual requirements because the student may need them to make the necessary units in a certain department.

To illustrate: No High School graduate has had the required amount of Biological science. That means that he will probably have to take either Botany II or Zoology II, the selection depending largely upon his previous preparation.

With the other requirements of his course ahead of him, the wise student will choose to take some of the general requirements in his Freshman year. That will leave the way open for larger freedom of selection in the Junior and Senior year.

AMOUNT OF WORK

No student in the college may without official approval and faculty consent enroll for less than 12 or more than 18 hours' work, but all applications for enrollment are subject to approval by Faculty. Fifteen hours' work is counted as regular work, but three additional hours may be taken on approval of Faculty, if the student secures a grade of I in all regular work. Credit in any course may be reduced on account of tardy enrollment.

CLASS STANDING

The standing of students is determined by totaling the number of hours of work to their credit. For unconditional standing as a Junior one should have 60 hours work completed at the opening of the year.

REQUIREMENTS FOR GRADUATION

Amount of Work

To secure the degree of Bachelor of Arts the student must complete 120 hours. Laboratory periods are double the length of recitation periods. Eight hours' work in music, election or drawing may be credited on the course, if the work is of the college grade; but all work so credited must be done in the departments of the college, except the theoretical work in music. See under "Course of Study."

During the Freshmen and Sophomore years sixty hours' work must be completed. Five hours' work is called a college unit. Thirty units are required by group in the preparatory school and college. Twenty-five of these units must be completed before the Junior year.

Major Subject

The student chooses a major in which he must complete six units of college work. With the consent of the head of the department in which the major was chosen he selects two minors of two units each.

If possible, the major work should be chosen during the Sophomore year.

Units Required for Graduation, Distributed by Subject

English: Preparatory, three units; College, twelve hours, two and two-fifths units; total five and two-fifths units.

Foreign Language: Preparatory, three units; Preparatory or College, three units; total six units.

Mathematics: Preparatory, two and one-half units; College, hours, one and one-fifth units; total three and seven-tenths units.

Science: Preparatory, one unit; Preparatory or College, three units; Biological and Physical Science, one unit each of College work; total six units.

History and Economics: Preparatory, one unit; Preparatory or College, two units; total, three units.

Philosophy: College, eleven hours, two and one-fifth units.

Elocution: College, one-half unit.

Bible: College, eight hours, one and three-fifths units.

Education, twelve hours, two and two-fifths units, required of all who are applicants for state certificate.

Total non-elective units are twenty-six. Of these ten and one-half must be preparatory, and fifteen may be preparatory.

In the College required work is either specified by course or by department. For example, in Mathematics, College Algebra and Trigonometry are required. This completes the required units in that department and any further work is elective without restriction. On the other hand the student entering with three or four units of foreign language must complete enough to make a total of six units. In doing so he may elect at pleasure from the departments of Latin, Greek, German or French.

CONSPECTUS OF COLLEGIATE SUBJECTS

Required	Elective
Eng. III. and IV. F.	Eng. VII. or VIII. F.
Bible V. F.	Any German, Greek or French.
Chem. I. F. or So.	Any Latin course above 3.
Math. IV. and V.	Zoology II.
History or Political Science Foreign Language, Biological Science, Physical Science, enough of each to make number of units as shown on page 31	Botany II.
Eng. V. and VI. So.	History II. III. or IV.
Bible VI. So.	Eng. IX. So.
Eng. X. So. or J.	Eng. X. So.
Physiology.	Eng. XI. (following VIII.)
Philosophy I. II.	Math. VI. or VII.
Psychology II.	Eng. XII. XIII. XIV. XV. XVI.
Bible VII. J.	XVII. J. Se.
Bible VIII. Se.	History V. J. Se.
Elocution, $\frac{1}{2}$ unit.	Math. VIII. IX. X. XI. XII. XIII.
Education, 12 hours (for those desiring certificate.)	Economics, J. Se.
	Sociology, J. Se.
	International Law, J. Se.
	American Government
	Philosophy, III. IV. V.
	Geology, J.
	Astronomy
F.—Freshmen. So.—Sophomore.	Eng. XVIII. J. Se.
J.—Junior. Se.—Senior.	Education I. II. III. IV. or V.
Courses unmarked may be taken at any time.	Music, Art or Elocution, a total of 8 hours.

REQUIRED ORATIONS

All Sophomore, Junior and Senior students in the Collegiate department, are required to prepare orations of not less than 800 nor more than 1500 words.

The Sophomore oration to be prepared in compliance with class requirements of English Course VI.

The subject for Junior oration to be presented to and approved by committee on Literary Societies not later than first Thursday in November, and oration manuscript submitted for criticism not later than the first college week in January. Public rendition of these to be as required by committee.

No exemptions are to be made from either preparation or rendition of the Junior Class orations; except that when in the judgment of the faculty, a student has sufficient cause to prevent his meeting this requirement, he may, upon conference with the head of the de-

partment, in which the student has elected his *major*, and with the advice of said department, choose a subject and write a thesis of not less than 5000 words. When this thesis has been approved by the head of this department, it may be accepted in lieu of the Junior oration, said thesis to be completed not later than April first.

The subject for Senior oration to be presented to President, not later than the first week of second semester, and the manuscript approved not later than May 1. This oration to be delivered on Commencement day, or as required by the Faculty.

TEACHER'S CERTIFICATES TO A. B. GRADUATES

In accordance with the laws of the state, (Laws of 1899, chapter 179, section 2) graduates of the A. B. course whose course includes the professional subjects, may receive from the State Board of Education a three years' certificate. This certificate upon the fulfillment of certain conditions, may be exchanged for a life certificate.

COURSES OF STUDY

The courses listed below may all receive College credit. Preparatory courses are outlined in subsequent pages.

Subjects are grouped in departments.

ASTRONOMY

Course in Descriptive Astronomy will be found under heading Physical Science.

BIBLE

President Campbell

V. *Old Testament History*. Required of Freshmen. Two hours, First Semester.

VI. *Book Study in Old Testament*. Required of Sophomores. Two hours per week, Second semester.

VII. *New Testament History*. Required of Juniors. Two hours First Semester.

VIII. *Evidences of Christianity*. Required of Seniors. Two hours, Second Semester.

BIOLOGICAL SCIENCES

Professor Horner

Zoology

II. *Advanced Course*. Mammalian anatomy and osteology. Study of human skeleton. Methods of injection and of staining and mounting for the microscope. Zoology 1 required. Two laboratory periods, and three recitation periods per week. Five hours, First semester. Davidson's Mammalian Anatomy with Special Reference to the Cat. Not offered in 1913-14.

Physiology

Advanced Course in Human Physiology. Laboratory work and recitations. A practical course, with special emphasis laid upon the laws of hygiene. Required of all candidates for the degree of Bachelor of Arts. Three recitation periods, and two laboratory periods per week. Five hours, Second semester. Martin's Human Body, Advanced Course. Hyde's Laboratory Course.

Botany

II. *Plant Physiology*. Two laboratory periods and three recitation periods per week. Five hours, First semester. Coulter, Barnes and Cowles' Text Book of Botany, Vol. I, Part II. Mac Dougal's Laboratory Course, subject to change.

CHEMISTRY—(See Physical Science.)

ECONOMICS—(See Political Science)

EDUCATION

Miss Kathryn Z. Montgomery, (1912-13.)

Miss Helen A. Minnis, (1913-14.)

The work in this department has been so arranged as to comply with the latest rules of the State Board of Education concerning subjects and hours. Courses I, II and III are required of all candidates for state diploma, with one elected course of three hours making a total of 12 hours in Education. Additional may however be taken by applicants for state diplomas. All courses in Education are general electives in the Arts Course.

I. *School Administration*.—A practical course in the essentials of school management. Three hours, First semester.

II. *Theory of Education or Methodology*.—An application of Psychological laws in the educational field. Three hours, Second semester. Prerequisite, General Psychology.

III. *General History of Education*.—Survey of ancient, mediaeval and modern education. Three hours, First semester.

IV. *History of Education in the United States*.—Study of systems and institutions from colonial times. Some attention is given to educational biography. Three hours, Second semester.

V. *School Law*.—The school laws of Kansas, and to some extent of the entire country will provide the basis for this course. Three hours, First semester.

VI. *Philosophy of Education*.—An investigation of the basis of various educational theories and of the view points and interpretations which have been applied to educational problems. Three hours, Second semester.

ELOCUTION

Required work in Elocution is one-half unit, or three hours, and is listed under School of Expression. Elective work in that department may be given credit to the extent of eight hours.

ENGINEERING

No regular department of Engineering is maintained. However, students contemplating courses of that nature can pursue to advantage two years work above High School. By electing work in the Freshmen and Sophomore years, practically all of the courses required in the first two years of Engineering can be taken. At the same time the liberal culture of an Arts course can be secured.

ENGLISH

Professor Montgomery

III. *Freshman English*. Instruction in theory and practice of narrative writing with special attention to rules of rhetoric. Text: Scott and Denny, Paragraph Writing. Two hours, First semester. Required of all college Freshmen.

IV. *Freshman English*. A continuation of Course III. Weekly themes. Writing of short story. Two hours, Second semester. Required of all college Freshmen.

V. *Exposition*. Principles of expository writing; analysis of selected essays and orations. Weekly themes. Text same as Course III and IV. Two hours, First semester. Open to Sophomores.

VI. *Theme Writing*. Study of the different forms of literary productions; written work based on these forms, writing of an oration preceeded by intensive study of outline methods. No text book. Two hours, Second semester. Required of Sophomores.

Literature

VII. *American Poets*. A study of the principles of poetry, as found in the standard American poems. Text: Chief American Poets, Curtis Heddon Page. Two hours, First semester. Freshman elective.

VIII. *The English Essay*. Origin and history of the essay. Careful study of represenative essays. Text. English Essay, Bronson. Two hours, Second semester. Freshman elective.

IX. *The English Novel*. A rapid historical survey of the origin and development of the English novel and critical discussion of one novel each from Jane Austin, Scott, Dickens, Thackery, George Eliot. Text: Development of English Novel, Cross. Two hours, Both semesters. Sophomore elective.

X. *The History of English Literature*. From Anglo-Saxon times to the twentieth century; the chief types of prose and poetry; the principles of literary analysis and criticism; wide reading in English authors. Text: Long's History of English Literature. Three hours, Both semesters. Required of Juniors. Open to Sophomores.

XI. *Victorian Prose*. Three hours, First semester. Open to those who have had Course VIII.

XII. *Nineteenth Century Poetry*. Age of Byron, Coleridge, Wordsworth. Three hours, Second semester. Junior elective.

XIII. *Victorian Poets*. Lectures. Class discussions. Three hours, First semester, Tennyson. Second semester, Browning. Junior and Senior elective.

XIV. *Milton. Paradise Lost*. Three hours, Second semester. Junior and Senior elective.

XV. *Chaucer*. Study of early English form. Lectures. Class discussions. Canterbury Tales. Two hours, First semester. Senior elective.

XVI. *Shakespeare*. Critical study of six plays, including Hamlet and Othello, and study of other plays read out of class. Three hours, Both semesters. Not open to Freshmen.

XVII. *Literary Criticism*. Principles studied from text book, with supplementary lectures and illustrative readings. Two hours, First semester. Required of all who major in English.

For 1913-14 in addition to required work, courses VII, VIII, XII, XIII, XIV, XVI and XVII will be given.

FINE ARTS (See School of Art.)

Advanced courses in the Fine Arts may receive College credit not to exceed eight hours. For Mechanical Drawing see under that heading.

FRENCH

Professor Perkins

I. The object of the first year's work in French is to give the student a knowledge of the essentials of grammar, fluency in pronunciation and practice in speaking and writing. French is spoken in class as far as practicable. Grammar, reading of easy stories and plays, conversation, dictation and composition, based upon the reading matter. Four hours. Both semesters.

II. III. The object of this course is to impart the faculty of reading and to study the masterpieces of classic and modern periods of French literature. Reading in class from the works of noted authors of the 19th century; outside reading; talks and essays upon the authors of the works read and their relations to the various literary movements of modern France. Three hours. Both semesters.

IV. *Composition and Conversation* based upon easy stories; oral and written work. Two hours, First semester. Prerequisite, one year college work.

V. *Advanced Course.* History of French literature from the earliest times, with special attention given to the 18th and 19th centuries. Textbook reading in class, and assigned reading of selections and extracts from representative works. Three hours. Both semesters.

GERMAN LANGUAGE AND LITERATURE

Professor Perkins

The aim of the department in the work of the first year is to give the student a thorough knowledge of the fundamental principles of the German language, to acquire an extended vocabulary and a proper pronunciation, and to get the student interested in the German life, literature and institutions. Emphasis is placed on the spoken word.

During the second year the works of noted authors of the 19th century and of the classic period are read. Work in composition, oral and written, is continued. An effort is made to gain the greatest possible facility in reading, understanding and the use of German.

The purpose of the advanced courses offered is to give the student a general view of German literature. Selections and extracts from a large number of authors are read in the classroom and several masterpieces are read by each student outside of the classroom.

Courses I, II and III should be taken during the Freshman or Sophomore years.

I. *Elementary Course.* Drill upon the essentials of grammar, oral and written practice; reading of easy prose and composition based upon it; memorizing of poems and folk songs. Special stress laid upon the acquisition of a good working vocabulary. German used in the classroom as far as possible. Four hours. Both semesters.

II, III. *Intermediate Course.* Extensive readings chosen from a wide range of authors, including narrative and descriptive prose and selected dramas; composition and grammar review; outside reading with reports. German is used throughout in the classroom. Four hours. Both semesters. Prerequisite, German I or its equivalent.

Advanced Courses

IV. *History of the German Literature.* A general survey of the development of German literature from the earliest times to the nineteenth century. Lectures, reports, reading of selections from representative works of the eighteenth century. Attention is given to the general aspects of German life and thought in so far as they find expression in literature. Three hours. First semester. Prerequisite, two years of college work or its equivalent.

V. *German Literature* in the nineteenth century.

- a. The drama under the influence of romanticism.
- b. The novel and drama under the influence of the "Young German" period.
- c. Modern drama and novel.

Representative works will be read and minor authors treated in lectures. Collateral reading, discussions; written reports required. Three hours. First semester.

Alternates with course IV.

VI. *Modern German Novelists*. A rapid reading course; selected novels; introduction to literary interpretations. Three hours. Prerequisite, course IV or V.

VII. *Goethe and Schiller*. An intensive study of the lives and works of Goethe and Schiller and their relation to their contemporaries. Lectures, discussions and written reports. Three hours. Prerequisites, course IV or V.

VIII. *Heine*. Study of his life and poetry. Reading in class of his lyrics and prose; outside reading; lectures, written reports. Two hours. Prerequisite, Course IV or V.

Special Courses

IX. *Conversation*. An elementary course with special attention to pronunciation and the requiring of a working vocabulary. Little work is required outside of class room. A practical course for students wishing to major in German or to keep up their knowledge of German. One hour, Both semesters. Prerequisite one year college work or to its equivalent.

X. *Advanced Practice Course*. Composition and conversation, intended for students specializing in German or desiring to teach. Two hours, First semester. Prerequisite two years college work.

XI. *Teacher's Course*. Critical study of the methods of teaching German. Lectures, reports, practice teaching. Open to Seniors and graduate students. Two hours, Second semester. Prerequisite two years college work.

GREEK LANGUAGE AND LITERATURE

Professor Wilson

In the study of the Greek it is the first purpose to secure a good foundation in the grammatical principles of the language. Afterwards it will be the aim so to study the authors read that there shall be accuracy in the expression of their thought and appreciation of their literary excellence.

I. *Beginning Greek and Xenophon's Anabasis*. Book I. Careful attention is given to paradigm and conjugations and the funda-

mental principles of syntax; the pronunciations and translation of the lessons in White's First Greek Book and Book I of the Anabasis. Preparatory course, but students entering Freshman class without conditions will be given college credit on this course. Four hours, Both semesters.

II. *Xenophon's Anabasis*. Books II-IV. The essential points of inflection and syntax reviewed. Freshmen and Sophomore years. Five hours, First semester.

III. *Homer's Iliad*. Books I-IV. Translation, together with some study of Mythology, Greek Archaeology and the structure of Epic poetry. Freshman or Sophomore year. Five hours, Second semester.

IV. *Memorabilia*. Book I-IV. Study of the life and times of Socrates and the principles of his philosophy. Sophomore and Junior. Five hours, First semester.

V. *Greek Testament*. One of the Gospels is read and such of the Epistles as time allows. Sophomore or Junior. Three hours, Second semester.

Courses I-V are required of students who choose Greek as their major study. The following elective courses are offered:

VI. *Demosthenes, De Corona*. Greek Orators and Oratory, The Courts of Laws, Thesis. Five hours, First semester.

VII. *Plato's Apology and Crito*. Some study of the thought and theories of the Greek Philosophers. Two hours, Second semester.

VIII. *Aeschylus, Prometheus Bound*. Study of Grecian Dramatic Art. Three hours, First semester.

IX. *Aristophanes Clouds*. Study of Greek Comedy. Three hours. Second semester.

HISTORY

Professor McCreary

I. *Greek and Roman History*. Preceded by a preliminary study of the oriental nations. Morey's text is used with library reading and map drawing. For Freshmen who have had no Ancient History. Four hours, First semester.

II. *European History*. History of Europe from fall of Rome to the present. Leading events will be grouped around the Holy Roman Empire, German Migrations, Feudalism, the Church, Renaissance, Reformation, French Revolution, and the rise of Modern Nations. Robinson's Readings in European History. The course will be supplemented with a brief study of European History up to 1914. Open to all college students. Five hours, Second semester.

III. *English History*. Cheyney's text is used with library reading and map study. Special emphasis is placed on the political and constitutional phases. Open to all college students. Five hours, First semester.

IV. *American Political History*. Johnson's American Political History, covering period 1763-1875, is used as a basis for the work with collateral reading. The library has a choice selection of both source and secondary works in American History. Open to all Juniors and Seniors of the college. Others may be admitted, if they are mature students and have had the other courses in history. Five hours, one Semester.

LATIN

Professor Bryan

The Latin courses are intended to give exercise in the study of the different styles of Literature at the period of highest development of the language and to show the indebtedness of the English language and life to the Latin.

IV. *Virgil*. First six books of the Aeneid. Study of Mythology and Latin prosody. Sight reading. Four hours, Both Semesters.

V. *Cicero*. De Senectute and De Amicitia. Review of special topics in Grammar. Translation at sight and at hearing. Composition work. Open to Freshmen. Three hours, First semester.

VI. *Livy*. Books XXI-XXII. Selections from Book I. Translation at sight and at hearing. Study of structure and style. Open to Freshmen. Five hours, Second semester.

VII. *Horace*. Odes, Epodes, and Satires. Roman life and thought as indicated by the poems. Literary study of author. Parallel readings in English. Open to Sophomores. Five hours, First semester.

VIII. *Plautus*. Captivi and Trinummus. Attention to colloquial forms. Close attention will be paid to dramatic form of the plays. Open to Sophomores. Three hours, Second semester.

IX. *Tacitus*: Germania and Agricola; Pliny: Selected letters. Characteristics of Silver Latin. Roman History. Roman private life. Three hours, First semester.

X. *Virgil*. Advanced course. Translation of the last six books of the Aeneid will be required. The entire Aeneid will be studied from a literary standpoint. This course will be open to students who have read the first six books of the Aeneid and should be especially helpful to those expecting to teach Virgil. Five hours, Second semester.

XI. *Latin Literature*. The readings in this course will be from Seneca, Juvenal, Suetonius, Pliny, and Tacitus' Dialogue. Discussion of the various authors studied. Two years of College Latin are prerequisite to this course. Three hours, First semester.

XII. *Advanced Latin Prose Writing*. Some advanced manual will be used. At least one year of College Latin is a prerequisite. Three hours, Second semester.

MATHEMATICS

Professor Bell

IV. *Solid Geometry*. Four hours, Second semester. Three hours credit.

V. *Plane Trigonometry*. Three hours, Second semester. Required of all Freshmen.

VI. *College Algebra*. Three hours, Second semester. Required of all Freshmen.

VII. *Spherical Trigonometry*. Two hours, Second semester.

VIII. *Plane Analytic Geometry*. Two hours, Both semesters.

IX. *Differential and Integral Calculus*. Three hours, Both semesters. Prerequisite: Course VIII, or may be taken simultaneously with Course VIII.

X. *Solid Analytic Geometry*. Two hours, First semester.

XI. *Differential and Integral Calculus*. Three hours, First semester. A continuation of Course IX.

XII. *Differential Equations*. Three hours, Second semester. Prerequisites: Courses IX and XI.

XIII. *Advanced Algebra*. Two hours, Second semester. Study of Theory of Equations, determinants, and series. Prerequisites: Courses VIII and IX.

XIV. *Teachers' Course in Mathematics*. Two hours, First semester. Open to those who have taken Courses VIII and IX, or it may be taken simultaneously with Courses VIII and IX.

MECHANICAL DRAWING

Miss Brown

Lettering in pencil and in ink. Free hand sketches of simple machine parts.

Revolution of Geometrical solids.

Principles of projection.

Sketching of machine parts.

Tracing and blue printing. Three two hour periods, First semester. Three hours credit.

No extra tuition is charged for Mechanical Drawing or Drawing in Normal Course.

MUSIC

Technical work in Vocal or Instrumental may receive credit to the extent of eight hours provided the work be of collegiate grade.

But a total credit of fifteen hours in musical subjects may be given if not more than eight hours are in technique. Theory and His-

tory of music may be credited thus similarly to any literary subject. The technical work for which credit is allowed must have been done at Cooper College; the theoretical work may have been taken at any reputable college or School of Music.

PHILOSOPHY

Professor McCreary

I. *Logic*. The more common forms of reasoning are studied in detail. Without neglecting the technique of the subject, it is the purpose to make the course as practical as possible. Required of all candidates for degree. Open to Juniors and Seniors. Three hours, First semester.

II. *Ethics*. A study of the nature of obligation in its philosophical and psychological basis, developing the moral intuition into a comprehensive system of practical Ethics. Theories of historical importance will be briefly considered. The various moral standards will be weighed. Required of all candidates for degree. Three hours, Second semester.

III. *History of Philosophy*. A general survey of the field from the Greek thinkers to modern times. The general outline will be enlarged by informal lectures, and references to the sources. Class reports. Prerequisites, Psychology and Logic. Three hours, Second semester.

IV. *Epistemology*. The Theory of Thought and Knowledge will be studied from text and by lecture. Written reports and dictation note book required. Text, Bowne, Two hours per week. First half, Second semester, One hour credit. Senior elective.

V. *Metaphysics*. Method same as for Course IV. Two hours per week. Second half, Second semester, One hour credit. Can only be taken following IV.

PHYSICAL SCIENCE

Professor Miller

Professor Horner

Astronomy

I. *Descriptive Astronomy*. No mathematics is included in this course, the mathematics pertaining to Astronomy being given separately. Three recitations and lectures per week. Three hours, First semester. Text: Young, Manual of Astronomy.

Chemistry

I. *General Elementary Chemistry*. Lectures, recitations and laboratory work. A study of the history and propriety of chemical elements and their compounds, also a study of the fundamental laws of Chemistry with many problems based on the text. Three recitation periods, and two laboratory periods per week. Required of Freshmen and Sophomores. Five hours, First semester. Text: McPherson and Henderson's *Elementary Chemistry*; McPherson and Henderson's *Laboratory Exercises*.

II. *Advanced Inorganic Chemistry*. A study of the laws of Chemistry and of the elements and their compounds. In the laboratory 30 inorganic compound are synthesized. Three recitation periods and two laboratory periods per week. Open to all who have had Course I or an equivalent. Five hours, Second semester. Text: Newth's *Advanced Inorganic Chemistry* and Blanchard's *Synthetic Inorganic Chemistry*.

III. *Qualitative Analysis*. A study of the separation and detection of the inorganic bases, or metals, with a thorough drill in reactions pertaining to basic analysis. Thirty "unknowns" are required. Two recitations per week and three laboratory periods. Text: Noyse's *Qualitative Analysis*. Five hours, First semester.

IV. *Qualitative Analysis*. A continuation of Course III. The detection of the acids is studied, together with a drill in acid reactions. The basic and acid analysis of 25 unknowns is required. One recitation and four laboratory periods per week. Five hours, Second semester.

V. *Water Analysis*. Five hours the first ten weeks of the First semester, to count as three credit hours. The complete analysis of several samples of water is required. Two recitations and three laboratory periods per week. Open to all who are taking or have had Course III or equivalent. Text: Mason's *Examination of Water*.

VI. *Quantitative Analysis*. Five hours the last eight weeks of the First semester; to follow Water Analysis. Volumetric Analysis. The class meets as often as necessary for lectures and recitations. Open to all who have had Courses III and IV. Text: Foulk's *Notes on Quantitative Analysis*.

VII. *Quantitative Analysis*. Continuation of volumetric methods and also Gravimetric analysis. The class meets as often as necessary for recitation and lectures. Courses VI and VII are mainly laboratory courses. Five hours, Second semester.

VIII. *Organic Chemistry*. A study of the alaphatic compounds with a thorough drill in organic reaction. In the laboratory many of the organic substances are prepared and preserved. Three recitations and two laboratory periods per week. Admission to class on consent of instructor. Text: Cohen's *Theoretical Organic Chemitsry*.

Laboratory Manual—Gatterman's Practical Organic Chemistry. Five hours, First semester.

IX. *Organic Chemistry*. The Aromatic substances are studied with a thorough drill in reactions. The course includes a study of the aniline dyes, aromatic oils and many other coal tar derivatives. In the laboratory, many of the aromatic compounds are prepared. Three recitations and two laboratory periods per week. Open to all who have had Course VIII. Five hours, Second semester.

Geology

I. *Physiographic, Structural, Dynamical, and Historical Geology*. The class visits the salt mines at Lyons. Five recitations and lectures per week. Text, Dana. Open to those who have had Chemistry I. Five hours, Second semester.

PSYCHOLOGY

Professor McCreary

II. *General Introduction*. Both analytic and synthetic methods are used. The course presents in outline a broad survey of the field of General Psychology. Note book syllabi are prepared into which is wrought the matter secured through assigned readings. The authorities thus used are such standard works as those of Angell, Baldwin, Calkins, James, Stout, Titchener, and others. Much experimental work is done using Seashore's Manual. Four recitations and one period for experimentation per week. Required for graduation. Juniors or Seniors. Five hours, First semester. This or an equivalent course must precede course in Theory of Education, or Methodology.

SOCIAL AND POLITICAL SCIENCES

Professor McCreary

I. *Political Economy*. The work is based on Fetter's Principles of Economics. Three hours, Second semester.

II. *Special Economics*. Study of definite problems, such as labor, immigration, and corporations. The work will be largely individual. Readings, discussions and reports. Course I is prerequisite. Three hours, First semester.

III. *International Law*. Text: Wilson and Tucker. Two hours, Second semester.

IV. *Sociology*. General introduction to Sociology. Open to Juniors and Seniors. Three hours, First semester.

V. *American Government*. A college course in Civics. Text: Hart's Actual Government. General Elective. Three hours, First semester.

PREPARATORY DEPARTMENT

FACULTY

ROSS TURNER CAMPBELL, D. D., President,
English Bible

SAMUEL A. WILSON, A. M.,
Greek

TALMON BELL, A. M.,
Mathematics

ROBERT M. HORNEL, A. M.,
Science

MRS. A. S. PERKINS
German

FRANK W. WRIGHT,
History, English

HELEN A. MINNIS, B. Ped.,
Education

MARGARET DONALDSON,
Latin

MARY DUFF,
Mathematics

STELLA FOSTER,
Stenography

ETHEL MITCHELL,
Physical Geography

Besides some of the above named the following were instructors
for 1912-13:

E. ESTELLA DOUGHERTY, A. B.,

AMY C. BROWN

M. BELLE EDGAR

GRACE LINDSAY

JOHN N. FREE

Character and Purpose of the Work

The Preparatory Department offers four years standard work of High School grade. The department is on the accredited list of the State Board of Education. The completion of the outlined work entitle to unconditional entrance to any accredited college.

Admission and Credits

For admission to this department elementary knowledge of English Grammar, Arithmetic, United States History and Geography is required. For advanced standing the applicant must show ability to enter the studies proposed. Certificates from public school or high school may be received as credits on approval.

Students in the preparatory school regularly carry seventeen hours recitation work per week for four years. A year's work in one course, for four hours per week, is counted as one unit. On the completion of the Preparatory Course, students are granted a certificate which admits to the Freshman class of the College of Liberal Arts.

Students in presenting evidence of proficiency in United States History may omit the subject and take English 1c and 2c, Second semester.

Solid Geometry, Virgil, German 1, Greek 1, or Ancient History may receive college credit if the student has fifteen units without them.

Electives and Substitutions

It is not intended to make this course arbitrary and inflexible. Options are offered the student and further latitude will be permitted within the limits fixed by the State Board regarding standard units.

Students having taken part of their preparatory work elsewhere may substitute equivalent values for the courses outlined.

Normal Training

No complete schedule of subjects is given for Normal Training herewith. But such adjustments of courses will be made as will enable the student who desires to pursue a course such as is outlined on page 18 of the Manual issued by the State Board.

Those who may take normal training course are, regular students of the preparatory department, graduates or teachers holding certificates, whose work entitle them to enter the Junior or Senior year.

Examinations for the applicants for normal training certificates will be held the third Friday and Saturday of May each year. This examination will be in charge of two persons appointed by the State

Board, which Board also prepares the questions. Those in the Junior year will be examined in civics, physiology, and psychology, and those in the Senior year, in American history, methods, management, arithmetic, geography, grammar and reading.

The certificate is issued for two years and is renewable.

Privileges and Advantages

Such advantages as are offered the Collegiate students are likewise available for those in the Preparatory Department. These include membership in various literary, religious and athletic organizations and the definite inspiration which comes from daily association and cooperation with students and teachers in the College.

Separate athletic and literary events are provided for preparatory students where they may compete with others of their own rank.

During the past year the Preparatory Department had one intercollegiate debate of which record may be found in pages 19-20.

PREPARATORY COURSE

First Year

First Semester		Second Semester	
Latin 1	(4)	Latin 1	(4)
Math. 1, (Algebra)	(4)	Math. 1, (Algebra)	(4)
English 1a and 2a	(4)	English 1a and 2a	(4)
Physical Geography	(4)	Physical Geography	(4)
Bible 1	(1)	Bible 1	(1)

Second Year

First Semester		Second Semester	
Latin 2, (Caesar)	(4)	Latin 2, (Caesar)	(4)
Math. 2 (Geometry)	(4)	Math. 2, (Geometry)	(4)
English 1b and 2b	(4)	English 1a and 2b	(4)
Botany 1	(4)	Botany 1	(4)
Bible 2	(1)	Bible 2	(1)

Third Year

First Semester		Second Semester	
Latin 3, (Cicero)	(4)	Latin 3, (Cicero)	(4)
English 1c and 2c	(4)	History 1	(4)
Math. 3, (Algebra)	(4)	Math. 4, Solid Geometry	(4)
Zoology 1	(4)	Zoology 1	(4)
Bible 3	(1)	Bible 3,	(1)

Fourth Year

First Semester		Second Semester	
Latin 4, (Virgil)	(4)	Latin 4, (Virgil)	(4)
German 1 or	(4)	German 1 or	(4)
Greek 1	(4)	Greek 1	(4)
Physics 1	(4)	Physics 1	(4)
History 2, (Ancient)	(4)	English 1c and 2c	(4)
Bible 4	(1)	Bible 4	(1)

Numbers following subjects indicate courses, those in brackets the recitation periods per week.

DESCRIPTION OF PREPARATORY COURSES

BIBLE

1. *Life of Christ*. Required of first year preparatory students.
 2. *Studies in the Four Gospels by Hurlburt*. Required of second year preparatory students. Two hours a week, First semester. Courses 1 and 2 will alternate.
 3. *Doctrines by Sell*. Required of third year preparatory students. Two hours, Second semester.
 4. *Parables of Jesus by Salmon*. Required of fourth year preparatory students. Two hours, Second semester. Courses 3 and 4 will alternate.
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BIOLOGICAL SCIENCE

Botany

1. An introductory course. Recitations, laboratory work and field excursions. Morphology, physiology, ecology, histology and genealogic relations will be introduced during the latter half of the year. Two laboratory periods and two recitation periods per week. Four hours, Both semesters. Bergen and Davis' Principles of Botany; also their Laboratory and Field Manual of Botany, subject to change.

Zoology

1. An introductory course in general zoology. Laboratory work, recitations, lectures, reading. Local and marine forms will be studied. Two laboratory periods and two recitation periods. Four hours, Both semesters. Colton's Zoology. Descriptive and Practical. Not offered in 1913-14.
-

ENGLISH

Professor Montgomery

Composition

Three years of composition is offered. This will be devoted to practice in writing with special stress upon spelling, punctuation, sentence structure, and paragraphing.

Text: Lockwood and Emerson, Composition and Rhetoric.

- 1a. Required of first year students. Review of English Grammar. Descriptive writing. Two hours.

- 1b. Required of second year students. Study of paragraph and sentence, and forms for both poetry and prose. Two hours.

1c. Required of third year students. Study of Rhetorical Principles and Literary Invention.

For 1913-1914 Courses 1a and 1b only will be offered.

Literature

The purpose of this work is to give the student not only an appreciative understanding of the books selected, but also a knowledge of their place in the history of English Literature.

Texts: Painter's American Literature, Pancoast's English Literature.

2a. Required of first year students, a study of American Literature, in which selections from representative writers will be studied. Two hours.

2b. Required of second year students. This course will cover the history of the English Literature from Chaucer to the period of French influence. Reading of English classics as per requirements for college entrance. Two hours.

2c. Required of third year students. This course will cover the history of English Literature from period of French influence to the present time. Reading of English Classics. Two hours.



GERMAN

I. *Elementary Course.* Drill upon the essentials of grammar, oral and written practice; reading of easy prose and composition based upon it; memorizing of poems and folk songs. Special stress laid upon the acquisition of a good working vocabulary. German used in the classroom as far as possible. Four hours, Both semesters.

The other German courses are for college students exclusively.



GREEK

I. *Beginning Greek and Xenophon's Anabasis.* Book I. Careful attention is given to paradigm and conjugations and the fundamental principles of syntax; the pronunciation and translation of the lessons in White's First Greek Book and Book I of the Anabasis. Preparatory course, but students entering Freshman class without conditions will be given college credit on this course. Four hours, Both semesters.



HISTORY

1. *United States History.* A course for preparatory and normal students which provides for a thorough review of the subject. Use

is made of many texts. Especially adapted to the needs of those preparing to teach. Four hours, Second semester.

2. *Greek and Roman History*. Preceded by a preliminary study of the oriental nations. Morey's text is used with library reading and map drawing. For preparatory students and Freshmen who have had no ancient History. Four hours, First semester.

LATIN

The Latin courses are intended to give exercise in the study of the different styles of literature at the period of highest development of the language and to show the indebtedness of the English language and life to the Latin.

1. *Beginning Latin* and reading preparatory to taking up Caesar's Gallic War. The Roman system of pronunciation is used. Study of English derivatives. Four hours, First and Second semesters.

2. *Caesar*. Four hours, First and Second semesters. Books II-IV inclusive or their equivalent. Thorough drill in use of cases and modes. Prose composition once a week. D'Ooge's text.

3. *Cicero*. Four hours, First and Second semesters. Four orations against Catiline. Orations for Manilian law and Poet Archias. Prose composition once a week. D'Ooge's text.

4. *Virgil*. First six books of the Aeneid. Study of Mythology and Latin prosody. Sight reading. Four hours, First and Second semesters.

MATHEMATICS

1. *Elementary Algebra*. This course includes the work through quadratic equations. Four hours, First year.

2. *Plane Geometry*. Four hours, Second year.

3. *Algebra Beyond Quadratics*. Four hours, First semester, Third year.

4. *Solid Geometry*. Four hours, Second semester, Third year.

PHYSICAL SCIENCE

Physical Geography. Two recitation periods and two laboratory periods per week. Tarr's New Physical Geography. Everly, Blount and Walton's Laboratory Exercises in Physical Geography. Four hours, Both semesters.

Physics.—*An Introductory Course*. Lectures, recitations and laboratory work, covering the principles, phenomena and theories in Mechanics, Heat, Electricity, Sound and Light. Two recitation peri-

ods and two laboratory periods per week. Mathematics 1 and 2 are a prerequisite. Millikan and Gale's First Course in Physics, also their Laboratory Course in Physics, subject to change. Four hours, Both semesters.

PSYCHOLOGY

1. *Elementary Course for Normal Students.* A brief, clear and comprehensive treatment of the essential facts of the subject. Text, Wenzlaff or Read. One semester.

SCHOOL OF MUSIC

FACULTY

ROSS TURNER CAMPBELL, D. D.,
President

MARY F. COLEMAN,
Voice, Chorus, Normal Music, Theory

EDNA M. RAIT,
Piano, Harmony, Theory

JOHN HENRY HINSHAW,
Stringed Instruments, Orchestra

ALTHEA MONTGOMERY, A. B.,
English

MRS. AGNES PERKINS
German and French

Music study is many sided. To make it truly educative it may be pursued from both theoretical and practical standpoints. Its study includes not only technical training but intellectual and emotional development as well.

The present age demands of a musician that he be broad minded, intelligent and artistic. The serious study of the art has taken an honored place in the curriculum of every school, academy and college. Recognizing this, our Conservatory of Music is organized with the view of giving each student thorough knowledge of music and surrounding him with the refined and ennobling influence that flows from such a center.

It is the intention of the management to graduate from this school artistic performers and competent teachers.

Courses

The work of the Conservatory is divided into departments, graduation from any one of which requires in addition to its own completion certain specified work in Harmony, Counterpoint, Theory and History and the giving of a recital, except in the teacher's course in which the pupil must do special work in the preparation for teaching.

The instructors bring to the work thorough education, successful experience as teachers and an enthusiasm that should find response in the heart of every student and friend of Cooper College.

VOICE CULTURE

In this department advantages are offered which will lead to the highest attainment in this line of art.

Voice Placing

Especial attention is given to the proper placing of the voice. This is considered of the utmost importance, as a neglect of it almost invariably results in a permanent injury to the voice and often to the health.

To accomplish this the pupil is instructed in a proper control of the breath, a perfect union of the registers, a free and easy emission of the tone, and a knowledge of the different timbres of the voice.

By these means the voice is produced with equal beauty and brilliancy throughout the entire compass.

This course will be upon the same lines as the piano course, preparatory and collegiate, taking approximately the same length of time.

The definite length of this course must largely be determined by the readiness of the individual voice to respond to training.

The completion of the Harmony, History of Music, Biographical History and the Interpretation Course, and the giving of a recital are required for graduation.

Preparatory

A thorough knowledge of the principles of breathing and breath control is imparted; exercise in breathing and tone placing; in agility and relaxation of the muscles, (pure tone cannot be produced with rigid muscles;) Fred. Sieber's 8 measure studies; and 10 Vocalises Op. 44-49; simple songs carefully selected to assist the pupil in conquering his difficulties, will be used.

Collegiate

Exercises in agility, uniting of the tones, the swell, mezzo voice, embellishments, trills, etc., covering all forms of scales and chords, both major and minor. Selections from Sieber and Concone. The use of series, "Masterpieces of Vocalization," which is a graded series of Vocal Studies selected from the celebrated works of all the great masters of singing.

Throughout the entire course a careful selection of songs from the best American, English, German, French and Italian writers will be used, also arias from the operas and standard oratorios. While songs in the foreign tongues will be taught in the vernacular, the greatest pains will be taken to give the pupil a clear and intelligible enunciation of the English language, and the advice will be to

sing in our native tongue whenever practicable. A rich and full repertoire of songs and arias will be required before graduation.

It is recommended that voice pupils study at least one year of German and French. It is expected that all vocal graduates take at least three years at piano.

PIANO

The piano course consists of a preparatory course, and a collegiate course, requiring four years for the average student.

Appended is a specimen course founded in the Etude system together with which will be taught concert and salon pieces and works of the masters throughout the entire course.

Preparatory

Technical exercises at table and piano for hand position, finger and wrist development. Special attention to variety of touch, major and minor scales, chords, and arpeggios. Studies of Kohler, Tapper, Czerny and Loeschorn. Pieces selected with the view of creating a taste for good style, and drawing out the student's power of interpretation.

Collegiate

Technical work by Pischna, Joseffy, and Taussig. Major and Minor scales, dominant and diminished 7th, all forms of arpeggios, movements embodying all kinds of touches. Studies and Etudes selected from Bertini, Heller (Phrasing), Krause (Trill), Berens (Velocity). Bach, two and three part Inventions and English Suites, Cramer, Clementi, (Gradus ad Parnassum), Chopin (Etudes). Selections from the best modern writers and the classics throughout the entire course.

Pupils must have studied and be able to render in a creditable manner, the following compositions before entering the graduating year: One Haydn Sonata, one Mozart Sonata, two Beethoven Sonatas, two waltzes, one nocturne, one Polonaise, one Etude from Chopin, two compositions by Schubert, two by Schumann.

Requirements for Graduation

The completion of Heacox and Lehmann's Harmony, Lehmann's Counterpoint Interpretation of Music, Fillmore's History of Music, attendance upon all the student recitals, and the giving of a public recital are required for graduation.

Candidates for graduation are required to take three lessons per week during the second term of the second semester of the senior year.

THEORY

A thorough knowledge of keys, scales, signatures, intervals, triads, chord connection, chords of all kinds, including altered and augmented, suspensions, passing chords, melodic changes and organ points will be required. The harmonizing of melodies and chorals. The playing of modulations of many kinds through all keys. Text, Heacox and Lehmann's. Piano students are required to study one semester of Lehmann's Counterpoint.

INTERPERTATION AND ANALYSIS

These subjects comprise a course of one lesson a week through the entire year. They are given in the forms of lectures which explain all points of Interpretation, Analysis, the different forms of music, the orchestra, sounds, etc.

HISTORY

The general history of music, showing its growth and development. Early Christian Music, Polyphonic Music, Monophonic Music, the rise of Instrumental Music in the classic form, the Opera, the Oratorio, Romantic Music. These lessons are given in the form of lectures and lessons from text books with outside reading.

NORMAL MUSIC

Two hours per week. This course presupposes no previous knowledge of music. It will include vocal sight reading, some voice culture, the proper care of the child's voice, elements of music, and supplementary music for the grades and high schools.

CHORAL MUSIC

This society while having its own officers and conducting its own affairs, is affiliated with the College and offers students, at a merely nominal fee, the advantages of first class chorus drill. Concerts of the highest grade will be given each year by the society.

RECITALS, LECTURES, ETC.

At frequent intervals recitals will be given by the members of

the faculty at which an explanation of the music performed will be given, thus enabling the student to hear good music performed in an artistic manner.

During the year a number of pupils' recitals will be given at which students of all grades are expected to perform.

At the close of each term a Term Recital will be given at which advanced pupils of the Conservatory present a program to the public.

Each student is urged to hear all the good music possible, that his musical tastes may reach the highest possible cultivation.



GENERAL INFORMATION

Students may enter at any time, but are not enrolled for less than the term in which they enter.

In order to secure a diploma the student must have finished the prescribed work, and must have spent at least one year in this institution.

The privileges of the Musical Department are not extended on the same grounds to holders of scholarships as are the privileges of the other departments of the College.

Students attending College and desiring to take musical instruction, are expected to take lessons in this department. No credits will be given for lessons taken elsewhere.

Pupils should report to the President and make their arrangements for entrance with him. No lessons will be given until the student has been properly enrolled.



MUSIC ELECTIVES

Two years study of collegiate grade, two lessons each week, or equivalent, will be received as a credit of 8 hours, to be applied on the elective of any College course leading to graduation.

The following courses are open for that purpose:

1. Harmony and Counterpoint.
2. Piano—Second, Third, Fourth Collegiate; Prerequisites, preparatory grade and first year Collegiate.
3. Voice—Any Collegiate year.

For additional college credit in Musical subjects see under College Courses.

Prerequisite-Preparatory

Credits on electives will not be given for music taken elsewhere. In order to obtain credit on music as an elective, the student must have passing records entered on the books not only of the work on

which credits are desired, but also of the work prerequisite to this.

For rate of tuition see under *Expenses*.

STRINGED INSTRUMENTS

Violin

Elementary work selected at the discretion of the teacher from the list of methods following: Kelly's First Lessons on the Violin, Lindberg's Modern School, Henning's Method, parts I and II, David's School, Part I, Dancla's Method, books I and II, Wichtl's Young Violinist, Wohlfahrt, Schradieck, Hohmann, Hermann, Papini, Hersey. In connection with this technical work a sufficient number of easy solos to create live interest, and pupils are taught to play with the accompaniments from the very start.

More advanced students take up at once David's School, Part II, Mazas, Op. 36, the Kayser Etudes, Sevcik's School of Violin Techniques—Opus I—or the Kreutzer Celebrated Studies, and at the same time begin work on some of the solos, duos, trios and quartets of the best writers,—such as Chas. Dancla, Bohm, J. Raff, Hauser, Wieniawski, Godard, Saury, Neruda, Oberthur, Keler-Bela, Simon, Svendsen, DeBeriot. Original Compositions from these and other composers together with standard arrangements from the operas, oratorios and songs of the classic writers open up a wide and interesting field of work for the student who is really in earnest. Whenever the student shows sufficient ability and advancement there is ample opportunity for public performance before the student body and for work in the College Orchestra.

Violincello

Beginners start with Kummer's, Langey's, White's or some other easy method according to the judgment of the teacher and the player's musical ability. Easy pieces by Schlemueller, Schmidt, Popper, and Thome played with the accompaniment. Also easy arrangements of standard works for this, the most valuable orchestra and solo instrument of the strings, with the exception of the violin. Later, take up the technical studies of Julius Klengel, Dotzauer-Klingenberg, and more difficult solos, by the best writers and arrangers for the 'Cello. Also orchestra work on standard overtures.

Orchestra

The work of the Cooper Orchestra for the past year has been very gratifying to the leader and he hopes to have all the players in school again and working together in 1913-14. The organization has furnished music for various entertainments. The orchestra furnishes music occasionally at the chapel exercises and during Commencement week.

SCHOOL OF ART

Alice M. Brown, Director

It is a recognized fact that the accurate development of the eye and hand is a necessary part of a thorough education. A knowledge of the underlying principles of drawing trains to habits of correct seeing. It cultivates accuracy. It makes it possible the more clearly to express and impress thought.

The purpose of this department is to guide in the principles of form and color; to train the eye to see and better appreciate the beauties of the world around; and to give to the hand a power which may be used in all other studies. The following courses are offered:

1. Normal.
2. Mechanical Drawing.
3. Special.

Normal Course

Study of the principles of representation, construction and decoration.

Study of the relative values of line, form, light and shade.

Application of the work done to public school drawing.

Mechanical Drawing

Free hand drawing.

Lettering in pencil and in ink.

Sketching of machine parts.

Tracing and blue printing.

Special

Individual instruction given to students who wish to take any special line of art work.

An opportunity is given to copy good studies, to those wishing to learn to use oil, water colors and pastel.

Artistic china decoration either of the conventional or naturalistic.

Special attention given to Ceramics.

For rates of tuition see *Expenses*.

SCHOOL OF EXPRESSION

COURSE OF STUDY

I. Vocal Culture

Voice, pronunciation and enunciation. Elements of Vocal Expression. Form, Quality, Force, Pitch, Time, Movement, Position, Pose and Gesture. Two hours, Both semesters.

II. Vocal and Written Oratorical Expression

Briefs, climax and paragraph study. Study of lives and works of Demosthenes, Cicero, Luther, Mirabeau, Burke, Byron and others. Two hours.

III. Extemporaneous Speaking

Daily briefs, speeches and impromptu readings. Toasts, after dinner, political and various kinds of speeches and addresses. Two hours, One semester.

IV. Dramatic Expression

Study and presentation of drama. Possible plays: Merchant of Venice, Julius Caesar, The Rivals, and She Stoops to Conquer. At least one play will be worked up for presentation before the public. One hour, both semesters.

V. Bible and Psalm Reading

The Bible in worship, its message and true expression of its spirit. Old and New Testament reading. Two hours.

VI. English

English Literature, See Eng. XVI. Epic Poetry, See Eng. XV. American Poetry, See VII.

VII. Private Instruction

Two private lessons per week are required for a diploma. This private work continues the two years. Utmost care is taken to edu-

cate the sensibilities, through the cultivation of the perceptive faculties and imagination. Development of the emotions is the chief work of the school.

VIII. Physical Culture

Delsarte, Swedish, and German Methods. Calisthenics, walking, military work, dumbbells, Indian clubs, rubber ball drills, fencing, basket-ball and fancy drills. Personal attention is paid to the individual needs of the students.

The aim of the work is to develop strong, well proportioned bodies, to overcome stiffness, to acquire complete control of muscles, and to secure a noble and graceful bearing free from awkwardness. Two hours.

RECITALS

All students are required to appear in public recitals at least once each semester.

RULES AND REGULATIONS

Students are subject to College rules. Lessons lost by fault of student will not be made up without extra payment.

Lessons excused one day previous will be made up.

Lessons lost by fault of teacher will be made up.

TUITION

For rates of tuition see under *Expenses*.

REGISTER OF STUDENTS

COLLEGE OF LIBERAL ARTS

GRADUATE

Hawthorne, Mabel Janetta.. . . .	Sterling, Kansas
Irish, Lurene.. . . .	Sterling, Kansas
Van Patten, Guy Graham.. . . .	Sterling, Kansas

SENIORS

Adams, Richard Cameron.. . . .	Sterling, Kansas
Brown, Amy Crawford.. . . .	Sterling, Kansas
Dougherty, Mary McConnell,	Sterling, Kansas
Free, John Noble.. . . .	Chetopa, Kansas
Nickel, Lulu Frances.. . . .	Marquette, Kansas
Ramsey, Grace M.. . . .	Sterling, Kansas
Snair, Roland Robert	Sterling, Kansas
Sturgeon, Harry E.. . . .	Sterling, Kansas
Sturgeon, H. Hazel.. . . .	Sterling, Kansas
Wells, Bradner E.. . . .	Sterling, Kansas
Wilson, James Harvey.. . . .	Arkansas City, Kansas

JUNIORS

Branch, Grandin Hunt.. . . .	Sterling, Kansas
Edgar, Mary Belle.. . . .	Sterling, Kansas
Hamill, Elma Grace.. . . .	Malaga, New Mexico
Hazlett, Cecil C.. . . .	Sterling, Kansas
Lindsay, Grace.. . . .	Conway Springs, Kansas
McKelvey, Lester	Hutchinson, Kansas
Olmstead, Earl.. . . .	Sterling, Kansas
Park, Lee.. . . .	Sterling, Kansas
Park, Ralph Herbert.. . . .	Sterling, Kansas
Smith, Golden.. . . .	Sterling, Kansas
Stahl, Dollie.. . . .	Sterling, Kansas
Stewart, Boyd.. . . .	Sterling, Kansas
Trimble, Eva Laura.. . . .	Sterling, Kansas
Turner, Anna Myrl.. . . .	Newton, Kansas
Turner, Hoyt Charles.. . . .	Newton, Kansas
Warnock, William Herbert.. . . .	Sterling, Kansas
Williams, Bernice Edna	Sterling, Kansas

Adair, Sara Margaret	Bristol, Colorado
Adams, Ella Rachel.. .. .	Sterling, Kansas
Black, William Cooper.. .. .	Allerton, Iowa
Braden, David R.. .. .	Amsterdam, Missouri
Brown, Bascom Howell.. .. .	Sterling, Kansas
Brownlee, Mary A.. .. .	Stafford, Kansas
Crail, Audrey Berniece.. .. .	Sterling, Kansas
Dill, Robert John Calvin	Sterling, Kansas
Dodds, William Hector.. .. .	Sterling, Kansas
Gish, Mary Alice	Sterling, Kansas
Gordon, Helen.. .. .	Viola, Kansas
Henry, Joseph Wray.. .. .	Sterling, Kansas
Henry, William Jay.. .. .	Sterling, Kansas
Hensleigh, Albert Dale.. .. .	Blanchard, Iowa
Knox, James Earle.. .. .	Sterling, Kansas
Lindsay, James Edgar.. .. .	Conway Springs, Kansas

PREPARATORY

Campbell, Ross Alexander.. . . .	Sterling, Kansas
Cathcart, Ralph Melville	Alpha, Texas
Coulter, Nona Clark.. . . .	Roosevelt, Oklahoma
Edgar, Morris M., (by correspondence)	Worcester, Massachusetts
Edwards, John Ervin.. . . .	Lyons, Kansas
Edwards, Mary Cathyrn	Lyons, Kansas
Erskine, Lee Harper	Edgerton, Kansas
Faris, Edith Blanche.. . . .	Southwick, Idaho
Faris, Samuel Hervey.. . . .	Southwick, Idaho
Fullerton, Anna May	Altus, Oklahoma
Henery, Anna J..	Bostwick, Nebraska
Hosack, Archie Devere.. . . .	Denison, Kansas
Jamison, Edward Hugh.. . . .	Idana, Kansas
Jamison, John Henry.. . . .	Idana, Kansas
Malmberg, Emma A..	Lone Star, Kansas
Murdock, Alexander Adamson.. . . .	Edgerton, Kansas
Murdock, Annie Maclaren	Edgerton, Kansas
Murdock, John.. . . .	Edgerton, Kansas
Patrick, Fred S..	Anderson, Missouri
Patriquin, Jennie..	Colorado Springs, Colorado
Perkins, Maud Dorothea	Sterling, Kansas
Reid, John S..	Holton, Kansas
Reid, Robert.. . . .	Holton, Kansas
Scott, Howard E..	Sterling, Kansas
Snodgrass, Hattie L..	Apache, Oklahoma
Waters, Lillian Belle..	Sterling, Kansas
Wickerham, Lillian Maud	Belle Center, Ohio
Wilson, Sydney Ethel..	Sterling, Kansas

SCHOOL OF MUSIC

PIANO

Adair, Sara..	Bristol, Colorado
Calderwood, Jean..	Sterling, Kansas
Campbell, Helen..	Sterling, Kansas
Craih, Audrey..	Sterling, Kansas
Dodds, Torrence..	Sterling, Kansas
Dymond, Earl..	Sterling, Kansas
Flagg, Bessie..	Sterling, Kansas
Fleming, Henry..	Sterling, Kansas
Forney, Neva..	Sterling, Kansas
Gaily, Elma..	Sterling,, Kansas
Gault, Rosalie..	Sterling, Kansas
Gordon, Helen.. . . . .	.. Viola, Kansas
Hawkins, Marie..	Sterling, Kansas
Henry, Blanche..	Sterling, Kansas
Heter, Lucetta..	Sterling, Kansas
Holmes, Gladys..	Sterling, Kansas
Inches, Myrtle..	Sterling, Kansas
Jacobs, Alice..	Sterling, Kansas
Johns, Mrs..	Sterling, Kansas
Keillor, Mrs. Nellie..	Sterling, Kansas
Kirk, Phyllis..	Sterling, Kansas
Lewis, Mae..	Geneseo, Kansas
Linville, Etta..	Sterling, Kansas
Linville, Sadie..	Sterling, Kansas
Lukens, Mae.. . . . .	.. Beloit, Kansas
McCully, Evadne..	Sterling, Kansas
Murdock, Anna..	Edgerton, Kansas
Perkins, Dorothea..	Sterling, Kansas
Rich, Martha..	Sterling, Kansas
Rogers, Lillian..	Sterling, Kansas
Rogers, Paul..	Sterling, Kansas
Ross, Kathryn..	Sterling, Kansas
Ross, Zelma..	Sterling, Kansas
Roy, Bess..	Sterling, Kansas
Sholes, Marie..	Sterling, Kansas
Shook, Mrs. Lota	Sterling, Kansas
Squire, Ellen..	Sterling, Kansas
Strain, Helen..	Jamestown, Kansas
Watson, Olive..	Sterling, Kansas

Weede, Mrs. G. W.. Sterling, Kansas

VOICE

Adams, Hannah.. . . . Sterling, Kansas
 Bentley, Dudley.. . . . Sterling, Kansas
 Black, W. C.. . . . Allerton, Iowa
 Brown, Laura.. . . . Sterling, Kansas
 Calderwood, Robert.. . . . Sterling, Kansas
 Campbell, Ross.. . . . Sterling, Kansas
 Dill, Robert.. . . . Sterling, Kansas
 Dodds, William.. . . . Sterling, Kansas
 Dougherty, Wilson.. . . . Sterling, Kansas
 Eaton, Mrs.. . . . Sterling, Kansas
 Edgar, Isabel.. . . . Lyons, Kansas
 Feagan, Sylvia.. . . . Sterling, Kansas
 Fleming, Henry.. . . . Sterling, Kansas
 Fleming, Victor.. . . . Sterling, Kansas
 Gaily, Elma.. . . . Sterling, Kansas
 Green, Lillian.. . . . Sterling, Kansas
 Haines, Margaret.. . . . Sterling, Kansas
 Hawthorne, Mabel Sterling, Kansas
 Hawkins, Gertrude.. . . . Sterling, Kansas
 Henry, Blanche.. . . . Sterling, Kansas
 Henry, Jay.. . . . Sterling, Kansas
 Henry, Wray.. . . . Sterling, Kansas
 Holmes, Gladys.. . . . Sterling, Kansas
 Humphrey, Arthur.. . . . Sterling, Kansas
 Inches, Inez.. . . . Sterling, Kansas
 Inches, Myrtle.. . . . Sterling, Kansas
 Keillor, Mrs. Nellie.. . . . Sterling, Kansas
 McCully, Mrs.. . . . Sterling, Kansas
 McGarey, Mrs. W. P.. . . . Sterling, Kansas
 McKelvey, Lester.. . . . Hutchinson, Kansas
 Potter, Helen.. . . . Sterling, Kansas
 Quigley, Helen.. . . . Sterling, Kansas
 Ralston, Ernest.. . . . Sterling, Kansas
 Shaak, Evadne.. . . . Sterling, Kansas
 Straney, Milo.. . . . Sterling, Kansas
 Waddell, Florence.. . . . Olathe, Kansas
 Warnock, Arthur.. . . . Sterling, Kansas
 Warnock, Herbert Sterling, Kansas
 Weede, Dr. G. W.. . . . Sterling, Kansas
 Wilson, James.. . . . Arkansas City, Kansas
 Wirshing, Sallie.. . . . Sterling, Kansas
 Work, Elsie.. . . . Loveland, Colorado
 Van Patten, Guy.. . . . Sterling, Kansas

VIOLIN DEPARTMENT

PRIVATE PUPILS

Branch, Grandin..	Sterling, Kansas
Hildeman, Erma..	Sterling, Kansas
McCrary, Chas. H..	Mayetta, Kansas
Newcomb, Thomas..	Garnett, Kansas
Potter, Harold..	Sterling, Kansas
Reid, Robert..	Holton, Kansas
Robinson, William..	Viola, Kansas
Stavely, Frederick W.	Lyndon, Kansas
Stewart, Boyd..	Sterling, Kansas
Willson, Gladys Mae	Sterling, Kansas
Wilson, George Earl	Sterling, Kansas

ORCHESTRA

Violins

Erma Hildeman
C. H. McCrary
Thos. Newcomb
Robt. Reid
W. Robinson
F. W. Stavely
Boyd Stewart
Gladys Willson
George Wilson

Cello

Grandin Branch

Flute

G. B. McCreary

Clarinet

Carl Hildeman

Cornets

D. Braden
S. H. Faris

Horn

Wm. C. Black

Double Bass

Ross Campbell

Piano

Helen Campbell

SCHOOL OF ART

Braden, David.. . . .	Amsterdam, Missouri
Brown, Mrs. Edna.. . . .	Great Bend, Kansas
Brown, Floy.. . . .	Sterling, Kansas
Brush, Bessie.. . . .	Wichita, Kansas
Brush, Mrs. J. U.. . . .	Wichita, Kansas
Cooke, Mrs. C. K.. . . .	Sterling, Kansas
Currie, Margaret.. . . .	Sterling, Kansas
Cuthbertson, Nina.. . . .	Sterling, Kansas
Dornon, Ella.. . . .	Sterling, Kansas
Dougherty, Estelle.. . . .	Sterling, Kansas
Dunmire, Frances.. . . .	Sterling, Kansas
Edgar, Isabel.. . . .	Lyons, Kansas
Edwards, Mary.. . . .	Lyons, Kansas
Hamill, Elma.. . . .	Malaga, New Mexico
Haston, Mrs. S.,.. . . .	Sterling, Kansas
Henry, Blanche.. . . .	Sterling, Kansas
Heter, Lucetta.. . . .	Sterling, Kansas
Horton, Libbie.. . . .	Sterling, Kansas
Kammeyer, Dorothy.. . . .	Sterling, Kansas
Lehmer, Elizabeth	Choctaw, Oklahoma
Lindley, Mabel.. . . .	Sterling, Kansas
Little, Helen.. . . .	LaCrosse, Kansas
McKean, Ethel.. . . .	Sterling, Kansas
Mitchell, Earl.. . . .	Sterling, Kansas
Montgomery, Althea.. . . .	Sterling, Kansas
Murdock, Clara.. . . .	Edgerton, Kansas
Ott, Ruth.. . . .	Sterling, Kansas
Reid, Robert.. . . .	Holton, Kansas
Ritchie, Goldie.. . . .	Sterling, Kansas
Seaward, Eva.. . . .	Sterling, Kansas
Spencer, Eula.. . . .	Sterling, Kansas
Smisor, Mrs. W.. . . .	Sterling, Kansas
Toews, Ella.. . . .	Lyons, Kansas
Waddell, May.. . . .	Olathe, Kansas
Wells, Mrs. Myrta.. . . .	Salina, Kansas
Wilkin, Viva.. . . .	Sterling, Kansas
Wilson, Gladys.. . . .	Sterling, Kansas
Wilson, Mary.. . . .	Los Angeles, California
Van Patten, Lowell.. . . .	Sterling, Kansas

PUBLIC SPEAKING

CLASS WORK

Adair, Sara..	Bristol, Colorado
Arneal, John..	Redding, Iowa
Braden, David..	Amsterdam, Missouri
Cathcart, Ralph..	Alpha, Texas
Coulter, Nona..	Roosevelt, Oklahoma
Craih, Audrey..	Sterling, Kansas
Faris, Edith..	Southwick, Idaho
Fullerton, May..	Altus, Oklahoma
Gault, John..	Sterling, Kansas
Gish, Alice..	Sterling, Kansas
Gordon, Helen..	Viola, Kansas
Gray, Bruce..	Corsicana, Texas
Henery, Anna..	Bostwick, Nebraska
Knox, Leonard..	Sterling, Kansas
Lindsay, Edgar..	Conway Springs, Kansas
McClure, Carrie..	Sterling, Kansas
Patrick, Fred..	Anderson, Missouri
Ramsey, Grace..	Sterling, Kansas
Reid, Robert..	Holton, Kansas
Ritchie, Goldie..	Sterling, Kansas
Russell, Ruth..	Duquoin, Kansas
Stavely, Fred..	Lyndon, Kansas
Stewart, Boyd..	Sterling, Kansas
Sturgeon, Harry..	Sterling, Kansas
Thomas, Ruth..	Sterling, Kansas
Warnock, Arthur..	Sterling, Kansas
Wilson, Ethel..	Sterling, Kansas
Wilson, George..	Sterling, Kansas
Young, Clark..	Sterling, Kansas

PRIVATE WORK

Adair, Sara..	Bristol, Colorado
Black, William..	Allerton, Iowa
Brown, Bascom..	Sterling, Kansas
Calderwood, Robert..	Sterling, Kansas
Cathcart, Ralph..	Alpha, Texas
Coulter, Nona..	Roosevelt, Oklahoma
Edgar, Belle..	Sterling, Kansas

Edgar, Isabel..	. . . . .	Lyons, Kansas
Faris, Edith..	. . . . .	Southwick, Idaho
Faris, Hervey..	. . . . .	Southwick, Idaho
Fullerton, Irl..	. . . . .	Sterling, Kansas
Gaily, Elma..	. . . . .	Sterling, Kansas
Hamill, Elma..	. . . . .	Malaga, New Mexico
Lindsay, Grace..	. . . . .	Conawy Springs, Kansas
Lindsay, Edgar..	. . . . .	Conway Springs, Kansas
McKelvey, Lester..	. . . . .	Hutchinson, Kansas
Mitchell, Ethel..	. . . . .	Sterling, Kansas
Mincer, Lionel..	. . . . .	Sterling, Kansas
Montgomery, Kathryn	. . . . .	Washington, Iowa
Newcomb, Thomas..	. . . . .	Garnett, Kansas
Perkins, Dorothea..	. . . . .	Sterling, Kansas
Porter, Ralph..	. . . . .	Sterling, Kansas
Rejd, John..	. . . . .	Holton, Kansas
Ross, Zelma..	. . . . .	Sterling, Kansas
Ross, William..	. . . . .	Smith Center, Kansas
Russell, Ruth..	. . . . .	Duquoin, Kansas
Smith, Golden..	. . . . .	Sterling, Kansas
Strain, Helen..	. . . . .	Jamestown, Kansas
Trimble, Eva..	. . . . .	Sterling, Kansas
Turner, Hoyt..	. . . . .	Newton, Kansas
Warnock, Arthur..	. . . . .	Sterling, Kansas
Wells, Bradner..	. . . . .	Sterling, Kansas
Wherry, Irwin..	Sterling, Kansas
Wilson, Ethel..	Sterling, Kansas
Wilson, James..	Arkansas City, Kansas

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UNIVERSITY OF ILLINOIS-URBANA



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